FORM 3

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

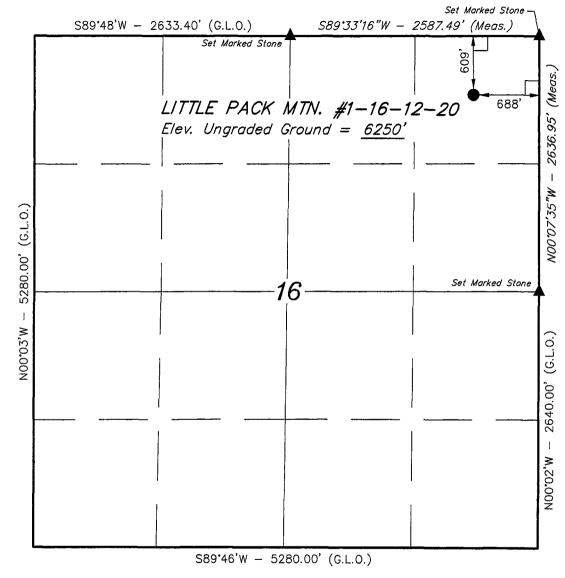
AMENDED REPORT	
(highlight changes)	

DIV. OF OIL, GAS & MINING

		APPLICAT	ION FOR	PERMIT TO	DRILL		5. MINERAL LEASE NO ML-47082):	6. SURFACE: State
1A. TYPE OF WO	DRK: D	RILL 🗾	REENTER [DEEPEN			7. IF INDIAN, ALLOTTE	E OR T	
B. TYPE OF WE	ELL: OIL 🗌	GAS 🗾	OTHER	SIN	GLE ZONE MULTIPLE ZON	E 🗸	8. UNIT or CA AGREEN	IENT N	AME:
2. NAME OF OPE			_	······································			9. WELL NAME and NU		
3. ADDRESS OF		on Company	, 				Little Pack Mo		
1100 Louis	iana Suite 2	20 _{CITY} Housto	on _{stat}	TE TX ZIP 77	PHONE NUMBER: (713) 830-6800		10. FIELD AND POOL,	OR WIL	DCAT:
	WELL (FOOTAGE	,	. (613360 X	39.779170		11. QTR/QTR, SECTION MERIDIAN:	N, TOW	NSHIP, RANGE,
	609' FNL 8		above (4463874	Y -109.676280		NENE 16	128	20E
		NE: Same as	above		107.676280				
		CTION FROM NEAF	EST TOWN OR POS	ST OFFICE:			12. COUNTY:	Ţ	13. STATE: UTAH
	s South of					;	Uintah		
15. DISTANCE TO	O NEAREST PROF	PERTY OR LEASE LI	NE (FEET)	16. NUMBER O	FACRES IN LEASE:	17. N	UMBER OF ACRES ASSI	GNED 1	
	O NEAREST WELI	. (DRILLING, COMPI	ETED, OR	19. PROPOSED	040 DEPTH:	20.8	OND DESCRIPTION:		40
APPLIED FOI	R) ON THIS LEASE	(FEET)			8,000	1	04155044		
21. ELEVATIONS	S (SHOW WHETHE	R DF, RT, GR, ETC.):	22. APPROXIMA	ATE DATE WORK WILL START:		STIMATED DURATION:		
6250.2' G	R			8/15/200	95	30	Days		
24.			PROPOS	ED CASING A	ND CEMENTING PROGRAM				
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU	ANTITY,	YIELD, AND SLURRY WI	EIGHT	
11"	8 5/8"	J-55	36#	2,000	PREMIUM LITE II	250	SKS 3.38	CF	11.0 PPG
					CLASS "G"	329	SKS 1.2	CF	15.6 PPG
					Calcium Chloride	200	SKS 1.10) CF	15.6 PPG
7 7/8"	4 1/2"	N-80	11.6#	8,000	PREMIUM LITE II	200	SKS 3.3	CF	11.0 PPG
					CLASS "G"	400	SKS 1.56	CF	14.3 PPG
25.				ATTA	CHMENTS				
VERIFY THE FOI	LLOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE U	JTAH OIL AND GAS C	ONSERVATION GENERAL RULES:				
WELL PL	AT OR MAP PREF	PARED BY LICENSE	O SURVEYOR OR E	NGINEER	COMPLETE DRILLING PLAN				
V EVIDENC	CE OF DIVISION O	F WATER RIGHTS A	PPROVAL FOR USI	E OF WATER	FORM 5, IF OPERATOR IS PE	RSON (OR COMPANY OTHER TH	IAN THI	E LEASE OWNER
				······································					
NAME (PLEASE	PRINT) Willian	n A Ryan			_{тть} Agent				
TABLE (FEDIOL	1, 1-	7/1:	(K						
SIGNATURE		Clon	a lypu		DATE 8/15/2005				
(This space for Sta	ate use only)	•	\bigvee	en e	Approved by the				
				100 100 100 100 100 100 100 100 100 100	Utah Division of		REC	ΞIV	FU
API NUMBER AS	signed:4	13-047-34	.981	·	Oil, Gas and Mini	n g	AUG 1	12	2005

(11/2001)

T12S, R20E, S.L.B.&M.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

= 90. SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 83) LATITUDE = 39'46'44.82" (39.779117) LONGITUDE = 109'40'37.58" (109.677106)

(NAD 27)

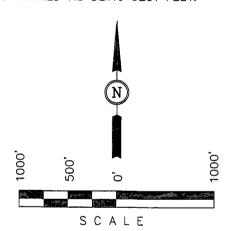
LATITUDE = 39'46'44.94" (39.779150) LONGITUDE = 109'40'35.09" (109.676414)

THE HOUSTON EXPLORATION COMPANY

Well location, LITTLE PACK MTN. #1-16-12-20, located as shown in the NE 1/4 NE 1/4 of Section 16, T12S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

REGISTERED LAND SURVEYOR REGISTRATION, NO. 16 VA 93

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

			,		
SCALE 1" = 1	000'			DATE SURVEYED: 05-26-05	DATE DRAWN: 05-27-05
PARTY G.O.	В.Н.	Р.М.		REFERENCES G.L.O. PLA	Γ
WEATHER WA	·RM	-	FILE THF H	OUSTON EXPLOR	ATION COMPANY

Right-Of- Way Plan of Development

The Houston Exploration Company

Little Pack Mountain 1-16-12-20

Section 16, T12S, R20E

The Houston Exploration Company proposes the construction of an access road, on BLM administered land. The following information is supplemental to the attached SF-299.

Access Road

A. Description of the Facility

- 1. Purpose and need for the Right-Of-Way Facility
 - a. Whether the proposal involves a new road, a reconstructed road, or an existing road:

The proposed right-of-way would involve the construction of approximately 800 feet of new road for access to the Little Pack Mountain 1-16-12-20 well location.

b. Whether the use is temporary or permanent:

Duration of road use will depend primarily upon the results of the drilling operation. Construction, drilling and completion operations will require approximately thirty days per well from start to finish. Should the well prove non-productive, the right-of-way will be required for a period of approximately eighteen months until such time as final abandonment and reclamation have been achieved. In the event commercial production is established from the proposed well in Section 16, this right-of-way would be utilized for a period of approximately thirty years, or until such time as the well should become commercially non-productive.

c. The type and volume of traffic anticipated:

The type of traffic anticipated on this right-of-way includes heavy industrial truck traffic related to oil & gas exploration and development activities. The proposed access road right-of-way would provide access to State well Little Pack Mountain 1-16-12-20.

d. The relationship to the Bureau transportation plan.

To our knowledge, this proposed right-of-way has no relationship to any existing or proposed Vernal Field Office Transportation Management Plan.

e. The relationship to State & Local Transportation Plans.

The proposed right-of-way has no know relationship to any existing or proposed State of Utah or Uintah County Transportation Management Plan.

f. The origin and destination of the road.

The proposed road right-of-way originates in the SW ¼ SW ¼ of Section 10, Township 12 South, Range 20 East and proceeds in a westerly direction approximately 200' to Section 9, Township 12S, Range 20E and then proceeds in a southwesterly direction approximately 600' to the lease boundry for the proposed location in the NE ¼ of the NE ¼ in Section 16, Township 12 South, Range 20 East.

2. Facility Design Factors.

a. Construction of a standard road.

The 800 feet of proposed construction will be constructed in accordance with road guidelines established for oil and gas exploration and development activities as referenced in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

Approximately six inches of topsoil will be stripped from the access road route prior to performing any further construction activities thereon.

If soils along the access road route are dry during road construction, water will be applied to the road surface to facilitate soil compaction and minimize soil loss as a result of wind erosion.

b. The Maximum grade and pitch on the road.

The maximum grade and/or pitch along the proposed right-of-way is five percent or less.

c. Requirements and location of drainage ditches, culverts, bridges, and low-water crossings.

Drainage ditches on/along the proposed access road will be bladed and shaped in accordance with the lines, grades, dimensions, and typical cross sections. Culverts will be installed along the access road route as necessary or required by the Authorized Officer, Bureau of Land Management in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

d. Easements from adjacent landowners.

The well location and portions of the proposed access road located in Section 16 of Township 12 South, Range 20 East are situated on a surface estate which is owned by the State of Utah and administered in trust on behalf of the Utah Public School System by:

State of Utah School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, UT 84102 (801) 538-5100

Those portions of the proposed access road route located in Sections 9 & 10 of Township 12 South, Range 20 East are situated on a surface estate, which is owned by the United States of America and administered in trust by:

Vernal Field Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435) 781-4400

3. Additional Components of the Right-Of-Way.

a. Connection to existing road systems.

The proposed access road connects to a County D road in the NE ¼ of NE ¼ of Section 10, Township 12 South, Range 20 East.

b. Location of equipment storage areas.

No equipment storage areas will be required on federal lands.

c. Requirements for road maintenance with other individuals.

There are no known right-of-way grants on or along the proposed access route. The Houston Exploration Company hereby agrees to enter into a joint maintenance agreement with any future right-of-way grantees on or along the proposed access road right-of-way as necessary or required by the Authorized Officer.

4. Governmental Agency Involvement.

a. Corps of Engineers Section 404 permits.

Not required for this proposed access road right-of-way.

b. State or local permits, easements, or dedications.

None required for this proposed access road right-of-way.

c. Road maintenance agreements with local or State governmental agencies.

None required for this proposed access road right-of-way.

5. Right-Of-Way Location.

In addition to the maps required to locate the right-of-way in the field and those needed for notation of Bureau records, plans of development may require:

a. Road cross-sections and plans and profiles.

Please refer to Attachments.

b. Section corner ties.

Not required at this time.

c. Acreage calculations of the right-of-way by land status.

Center line: Please see attached map.

Cross Section: NA

Area map: Please see attached map. Legal description of centerline:

Section 10, Township 12 South, Range 20 East Section 9, Township 12 South, Range 20 East Section 16, Township 12 South, Range 20 East

BLM	Sec 10	200' X 30'= 6,000 sq. ft
BLM	Sec 9	600' X 30'= 18,000 sq. ft
State	Sec 16	800' $\times 30' = 24,000 \text{ sq. ft}$

Total BLM acres 7,800' sq.ft./ 43,560 ft.= 0.18 acres

6. Resource Values and Environmental Concerns

a. An archeological survey has been conducted.

7. Construction of the Facility.

Access to the proposed right-of-way.

Big Pack Mountain / County Roads

- a. Submission of detailed engineering plans and specifications for major construction projects may be required for:
- (1) Earthwork.

Detailed engineering plans have not been prepared in conjunction with this access road right-of-way application. Please refer to Attachment "A" for general information in this regard.

(2) Major culverts.

Culverts will be installed on/along the proposed access road right-of-way as necessary or required by the Authorized Officer, Bureau of Land Management. Any culverts required will be installed in accordance with roading guidelines contained in the joint BLM/USFS publication: Surface

Operating Standards for Oil and Gas Exploration and Development, Third Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. Attachment "B" presents a typical design for culvert installation on permanent roads to be constructed across public domain lands.

(3) Bridges.

No bridges will be required on/along the proposed access road right-of-way.

(4) Retaining walls.

No retaining walls will be required on/along the proposed access road right-of-way.

b. Methods of construction and types of equipment to be used on the road right-of-way.

The Houston Exploration Company will contact the Authorized Officer or his/her representative at least three (3) days prior to the anticipated start of construction on the Little Pack Mountain 1-16-12-20 well location. The Houston Exploration Company will provide the name, address, and phone number of There representative in charge of construction and provide a maintenance schedule before starting any routine maintenance activities associated with this right- of-way, if required by the Authorized Officer, Bureau of Land Management.

 Methods of construction and types of equipment to be used on the road rightof-way.

The total road right-of-way width will be thirty feet, fifteen feet to either side of centerline.

During construction of the access road, topsoil will be windrowed to each side of centerline and placed in the "borrow ditch" areas upon completion of construction operations for future reclamation of the road right-of-way. Equipment anticipated for use in the construction of the proposed road right-of-way would primarily include both tracked bulldozers and road graders. Approximately three (3) days will be required for the construction of the 1,584' of new access road prior to the commencement of drilling operations on the subject well location.

The Houston Exploration Company will be responsible for informing all persons associated with this project that they will be subject to prosecution for damaging, altering, excavating or removing any archaeological, historical, or vertebrate fossil objects or site(s). If archaeological, historical or vertebrate fossil materials are discovered, The Houston Exploration Company will suspend all operations that further disturb such materials and immediately contact the Authorized Officer. Operations will not resume until written

authorization to proceed is issued by the Authorized Officer.

Within five working days the Authorized Officer will evaluate the discovery and inform The Houston Exploration Company of actions that will be necessary to prevent loss of significant cultural or scientific values.

The Houston Exploration Company will be responsible for the cost of any mitigation required by the Authorized Officer. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, The Houston Exploration Company will be allowed to resume operations.

d. Seasonal restriction on various construction activities.

No construction or maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts in excess of six or eight inches in depth, the soil shall be deemed to be too wet to adequately support construction equipment.

- e. The Houston Exploration Company will conduct all activities associated with the construction, operation, and termination of this right-of-way within the authorized limits of the right-of-way.
- f. The Houston Exploration Company will protect all survey monuments found within the right-of-way. Survey monuments include, but are not limited to, General Land Office and Bureau of Land Management Cadastral Survey Corners, reference corners, witness points, U.S. Coastal and Geodetic benchmarks and triangulation stations, military control monuments, and recognizable civil (both public and private) survey monuments. In the event of obliteration or disturbance of any of the above, The Houston Exploration Company will immediately report the incident, in writing, to the Authorized Officer and the respective installing authority, if known.

Where General Land Office or Bureau of Land Management right-of-way monuments or references are obliterated during operations, The Houston Exploration Company will secure the services of a registered land surveyor or a Bureau cadastral surveyor to restore the disturbed monuments and references using surveying procedures found in the *Manual of Surveying Instructions for the Survey of Public Lands of the United States*, latest edition. The Houston Exploration Company shall record such survey in the appropriate county and send a copy to the Authorized Officer. If the Bureau cadastral surveyors or other Federal surveyors are used to restore the disturbed survey monument, The Houston Exploration Company will be responsible for the survey cost.

8. Stabilization and Rehabilitation.

a. Soil replacement and stabilization.

Upon reclamation of the disturbed areas on or along the access road right-of-way, windrowed topsoil will be distributed evenly in the "borrow ditch" areas and seeded in place for future reclamation upon termination of the access road right-of-way.

b. Re-contouring of the disturbed right-of-way

To be performed upon termination and final abandonment of the access road and right-of-way, as determined necessary by the Authorized Officer, Bureau of Land Management.

c. Placement of water bars and/or other water control structures.

Water turnouts will be constructed along the access road right-of-way as necessary or required in order to provide for proper drainage on or along the primary access road right-of-way.

d. Disposal of trees, stumps and brush cut on or along the right-of-way.

There will not be any trees, stumps and or brush cut along the proposed access road right-of-way.

e. Seed mixture and rate of application.

Prior to commencement of seeding operations, the seedbed will be prepared by disking on the contour to a depth of four to six inches. The entire disturbed area will be uniformly covered with depressions constructed perpendicular to the natural flow of water to facilitate the capture of moisture and subsequent promotion of re-vegetation success. All disturbed surfaces will be reseeded using a seed mixture recommended by the Authorized Officer, Bureau of Land Management.

f. Method of seed application.

Seed will be drilled on the contour with a seed drill equipped with a depth regulator in order to ensure even depths of planting not to exceed one-half inch. Utilize the outside bins of the seed drill for shrub seeds.

Fall seeding will be completed after September 1st and prior to ground frost. If applicable, spring seeding will be completed after the frost has left the ground and prior to May 1st.

The seeding will be repeated until a satisfactory stand, as determined by the Authorized Officer is achieved. The Bureau of Land Management will evaluate reseeding success after completion of the first full growing season after reseeding has been preformed.

g. Use of fertilizer.

Not required on this particular access road right-of-way

h. Limiting access to the right-of-way.

We do not anticipate the need to limit access to the right-of-way at this time.

- 9. Operation and Maintenance of the Facility.
 - a. Minimum maintenance requirements and maintenance schedules.

The Houston Exploration Company will be responsible for preventative and corrective road maintenance from the beginning of completion of operations under this grant. This may include, but is not limited to, balding of the roadway, cleaning ditches and drainage facilities, dust abatement, or other requirements as directed by the Authorized Officer.

b. Joint maintenance responsibilities and agreements.

The Houston Exploration Company agrees to enter into a joint maintenance agreement with any future right-of-way grant holders on or along the proposed access road route to share maintenance costs in dollars, equipment, materials, and manpower proportionate to each holder's use.

c. Placement of control, warning, and directional traffic signs.

We do not anticipate the need for any control, warning and/or directional traffic signs along any portion of the right-of-way at this point in time.

d. Maintenance of "Special Needs" such as snow removal, seasonal closures, and controlled access.

The Houston Exploration Company will conduct all snow removal and snow berm construction within the authorized limits of the right-of-way grant. Snow removal and/or snow berm construction operations required on re-vegetated areas or areas outside of the authorized right-of-way, will be conducted in a manner that will not disturb the surface of the ground. To prevent any surface disturbance, all equipment used for snow removal operations shall be equipped with shoes to keep the blade six (6) inches off the ground. The Houston Exploration Company will take special

precautions where the surface of the ground is uneven and at all drainage crossings to ensure that equipment blades do not touch the ground surface.

The Houston Exploration Company will do everything reasonably within its' power and shall require its' employees, contractors, and employees of contractors to do everything reasonably within their power, both independently and upon request of the Bureau of Land Management to prevent and suppress fires on or near the lands to be occupied under this grant.

Use of pesticides shall comply with the applicable federal and state laws. Pesticides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of the Interior. Prior to the use of pesticides, The Houston Exploration Company will obtain from the Authorized Officer written approval of a plan showing the type and quantity of material(s) to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary by the Authorized Officer.

Emergency use of pesticides shall be approved in writing by the Authorized Officer, Bureau of Land Management prior to such use. The Houston Exploration Company will be responsible for weed control on disturbed areas within the limits of this right-of-way. The Houston Exploration Company will be responsible for consultation with the Authorized Officer and/or local authorities for acceptable weed control measures (within the limits described above).

The Houston Exploration Company will comply with all applicable federal laws and regulations existing or hereinafter enacted or promulgated. In any event, The Houston Exploration Company shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant (see 40 CFR, Part 702-799 and especially, provisions on polychiorinated biphenyls, 40 CFR 76 1.1-761.193). Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), Section 102b. A copy of any report required or requested by any federal agency or state government as a result of a reportable release or spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved federal agency or state government.

The Houston Exploration Company will promptly remove and dispose of all waste caused by their activities. The term "waste" as used herein means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment. Wastes shall be disposed of in a sanitary landfill.

The Houston Exploration Company will not use dirt roads as access routes when such use would cause severe rutting or erosion, as determined by the Authorized Officer.

Construction activity shall be suspended on public lands if soil conditions warrant, as determined by the Authorized Officer.

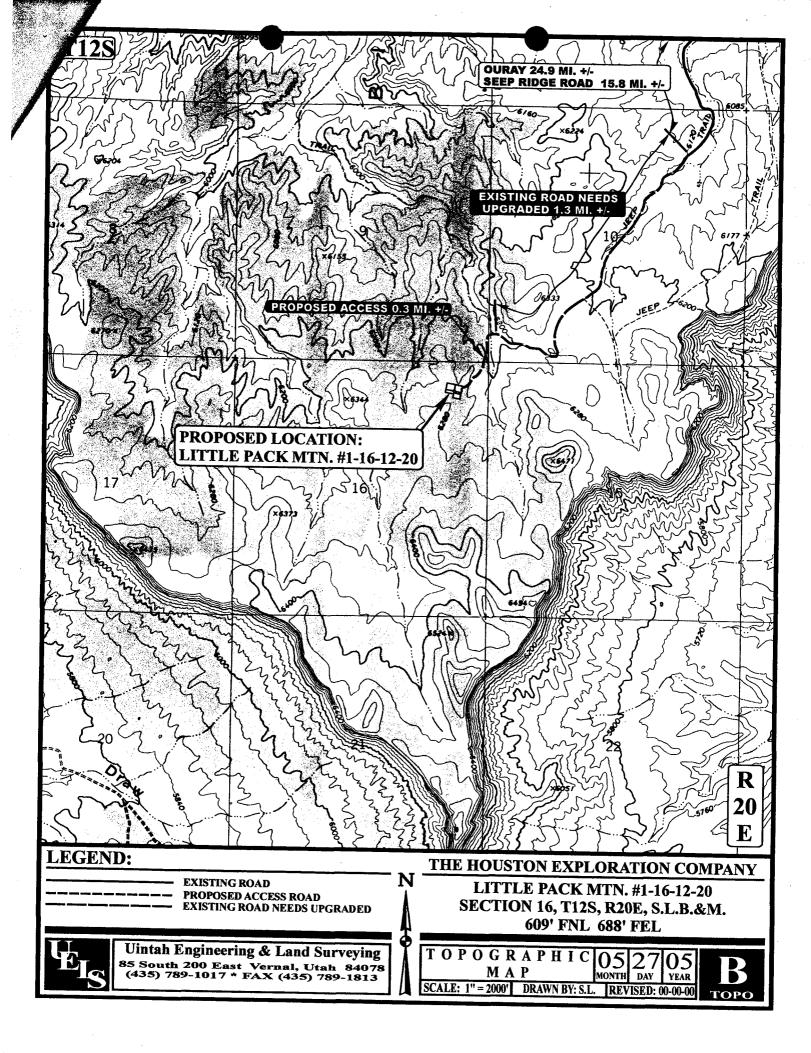
10. Termination and Restoration.

- a. In the event the well, Little Pack Mountain 1-16-12-20 is a dry hole, The Houston Exploration Company will request in writing relinquishment of the right-of-way, or provide notification in writing justifying a continuing need for the right-of-way (or portions thereof) by the holder. If a continuing need is justified and approved by the Authorized Officer, all terms, conditions, and stipulations are subject to revision.
- b. Prior to abandonment of the facilities authorized by this grant, The Houston Exploration Company will contact the Authorized Officer to arrange a joint inspection of the right-of-way. The inspection will be held to agree on an acceptable abandonment and reclamation plan. The Authorized Officer must approve the plan in writing prior to The Houston Exploration Company commencing any abandonment and/or reclamation activities. The plan may include the removal of drainage structures or surface material(s); re-contouring; replacement of topsoil; seeding, mulching, etc.

11. General Information.

Boundary adjustments in the federal oil and gas lease/unit will automatically amend this right-of-way to include that portion of the facility no longer contained within the above-described lease/unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate, will be recalculated based on conditions of this grant and the regulations in effect at the time of an automatic amendment.

The holder of this right-of-way grant or the holder's successor in interest shall comply with Title VI of the *Civil Rights Act* of 1964 (42 U.S.C. 200d *et seq*) and the regulations of the Secretary of the Interior issued pursuant thereto.



Ten Point Plan

The Houston Exploration Company

Little Pack Mountain 1-16-12-20

Surface Location NE 1/4 NE 1/4, Section 16, T. 12 S., R. 20 E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

Depth	<u>Datum</u>
Surface	+6,251'G.L.
3,946	+2,305'
4,080	+2,171'
5,747	+ 504'
8,080	-1,829'
8,152	-1,901'
8,000	-1,749'
	Surface 3,946 4,080 5,747 8,080 8,152

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

Off Set Well information: Wells within a one-mile radius.

Drilling/ Permitted Well:

Abandon Well:

Shut-in Well:

4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	Grade	& Tread	<u>Depth</u>	New/Used
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	4 1/2	11.6#	N-80	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

	Casing	Cement	Cement	Cement	Cement
	<u>Size</u>	<u>Type</u>	<u>Amounts</u>	<u>Yield</u>	Weight
Lead:	8 5/8	Premium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L	250 sks. +/-	3.38ft³/sk	11.0 ppg
		10% Bentonite .5% Sodium Metasili 3% Potassium Chlor			
Tail:		370 Totassium Cinor	ide		
	8 5/8	Class "G" 2% Calcium Chlorid .25#/sk Cello Flake	329 sks. +/- e	1.2ft³/sk	15.6 ppg
Top Jo	b:				
	8 5/8	4% Calcium Chloride .25#/sk Cello Flake	e 200 sks. +/	/-1.10ft³/sk	15.6 ppg

Production casing will be cemented to 2,500' or higher as follows:

	Casing	Cement	Cement	Cement	Cement
	<u>Size</u>	<u>Type</u>	<u>Amounts</u>	<u>Yield</u>	Weight
Lead:					
	4 1/2	Premium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chlor .055 gps FP-6L 10% Bentonite .5 Sodium Metasilic		3.3ft³/sk	11.0 ppg

Tail:

4 1/2 Class "G" 400 sks +/- 1.56ft³/sk 14.3 ppg
.05% Static Free
2 Sodium Chloride
.1% R-3
2% Bentonite

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss MI/30 Mins.	Mud Type
0-2000 2000-T.D. 7. Auxiliary E	Air/Clear Water 8.4-12.0	30	No Control 8-10	Water/Gel Water/Gel

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

a) Test:

None are anticipated.

b) Coring:

There is the possibility of sidewall coring.

c) Sampling:

Every 10' from 2000' to T.D.

d) Logging:

Type

Interval

DLL/SFL W/GR and SP

T.D. to Surf. Csg

FDC/CNL W/GR and CAL T.D. to Surf. Csg

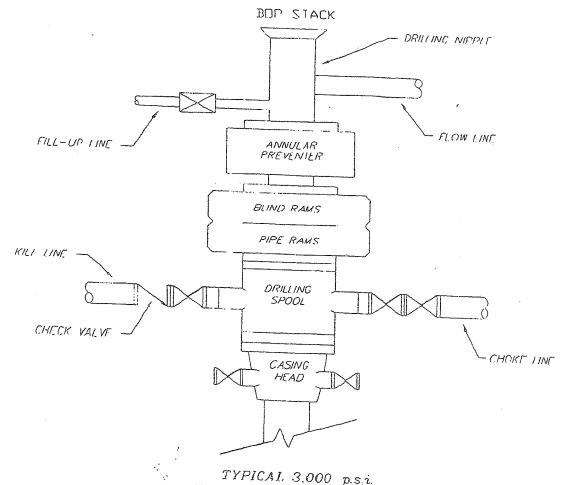
9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

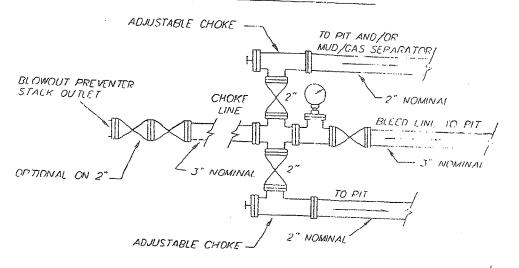
10. Drilling Schedule:

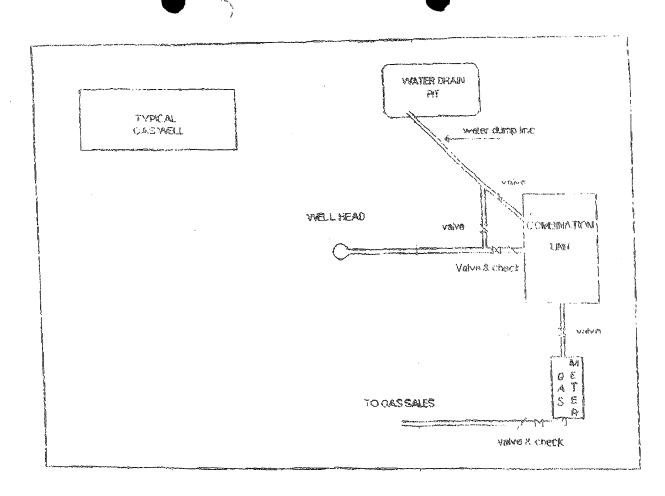
The anticipated starting date is August 15, 2005. Duration of operations is expected to be 30 days.

TYPICAL 3.000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3.000 p.s.i. CHOKE MANIFOLD SCHEMATIC





THE HOUSTON EXPLORATION COMPANY 13 POINT SURFACE USE PLAN

FOR WELL

LITTLE PACK MOUNTAIN 1-16-12-20

LOCATED IN NE 1/4 NE 1/4

SECTION 16, T. 12S, R20E, S.L.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: ML-47082

SURFACE OWNERSHIP: STATE

1. Existing Roads:

To reach The Houston Exploration Co well Little Pack Mountain #1-16-12-20 in Section 32, T10S, R 23E, starting in Vernal, Utah.

Proceed in a westerly direction form Vernal, Utah along U.S. Highway 30 approximately 14.0 miles to the junction of State Highway 88; exit left and proceed in a southerly direction approximately 17.0 miles to Ouray, Utah; Proceed in a southerly, then southeasterly direction approximately 7.4 miles to the junction of this road and an existing road to the southwest; turn right and proceed in a southwesterly, then westerly direction approximately 1.6 miles to the junction of this road and an existing road to the south: turn left and proceed in a southerly direction approximately 6.8 miles to an existing 2-track to the southwest; proceed in a southwesterly, then northwesterly direction approximately 1.3 miles to the beginning of the proposed access to the southwest; follow road flags in a southwesterly direction approximately 0.3 miles to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 57.5 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 1,584' of new construction. The road will be graded once per vear minimum and maintained.

A) Approximate length	1584 ft
B) Right of Way width	30 ft
C) Running surface	18 ft
D) Surface material	Native soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	Yes
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface	ownership
State	& Federal
L) All new construction	on lease
	Yes

None

M) Pipe line crossing

Please see the attached location plat for additional details.

An off lease right of way will be required for approximately 885'

All new surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

A) Producing well	None
B) Water well	None
C) Abandoned well	None
D) Temp. abandoned well	None

E) Disposal well	None
Drilling /Permitted well	None
G) Shut in wells	None
H) Injection well	None
I) Monitoring or observation	well
	None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Desert Tan color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Tan.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer. If the well is capable of economic production a surface gas line will be required.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter.

Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from Willow Creek, Permit # T-75377.

6. Source of construction materials

All construction material for this location site and access road shall be

borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

A) Pad length	345 ft.				
B) Pad width	245 ft.				
C) Pit depth	12 ft.				
D) Pit length	150 ft.				
E) Pit width	75 ft.				
F) Max cut	22.5 ft.				
G) Max fill	8.6 ft				
H) Total cut yds. 9,490 cu yds.					
I) Pit location	east side				
J) Top soil location					
north & west end					
K) Access road lo	ocation				
	east end				
L) Flare Pit	corner C				

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

0. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,740 cubic yards of material.

Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be

allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

To be determined by the Authorized Officer.

11. Surface ownership:

Access road

State & Federal Location State Pipe line State & Federal

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the Willow Creek located 6 miles +/- to the East.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

a) Location Construction

At least forty eight (48) hours prior to construction of location and access roads.

- b) Location completion Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
 At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan 290 S 800 E Rocky Mountain Consulting Vernal, UT 84078

Office 435-789-0968 Fax 435-789-0970 Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation

proposed herein will be preformed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date	8/15/05
Duit	0/13/03

William A. Ryan, Agent Rocky Mountain Consulting

Onsite Dates:

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan Agent for The Houston Exploration Company Rocky Mountain Consulting 290 S 800 E Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell 435-789-0970 Fax

THE HOUSTON EXPLORATION COMPANY

LITTLE PACK MTN. #1-16-12-20

LOCATED IN UINTAH COUNTY, UTAH SECTION 16, T12S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION SAKE

CAMERA ANGLE: SOUTHWESTERLY

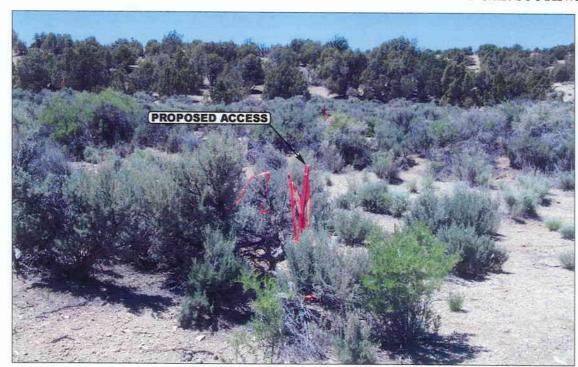


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY

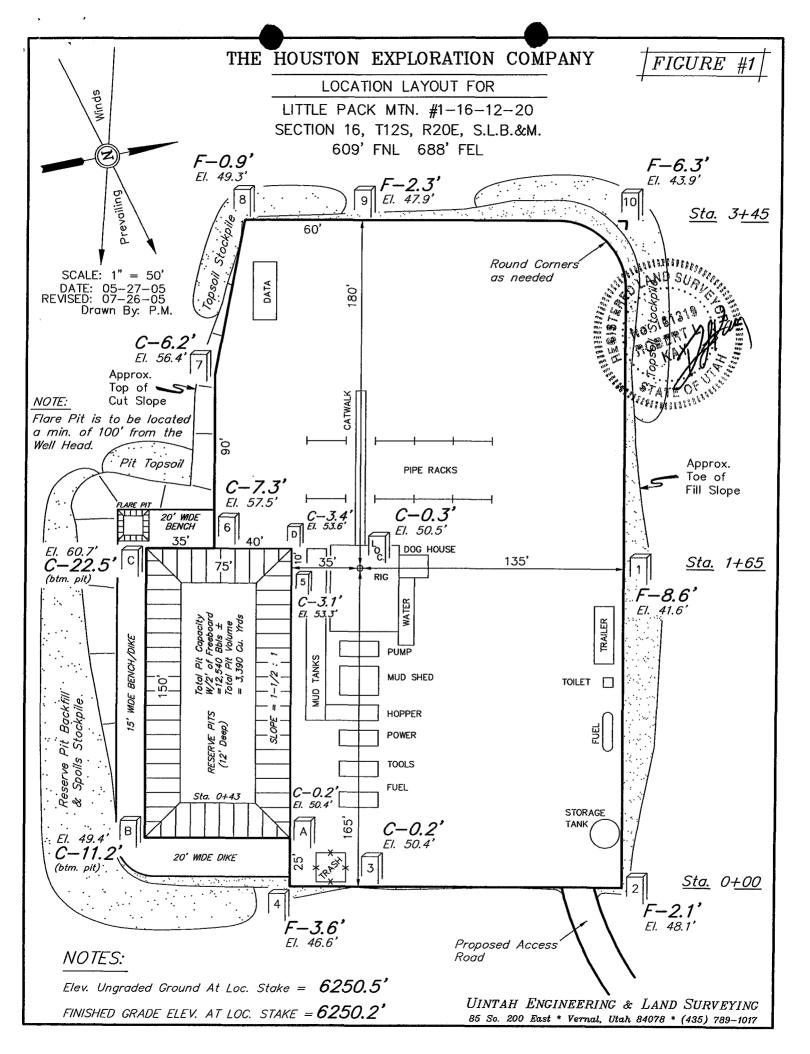


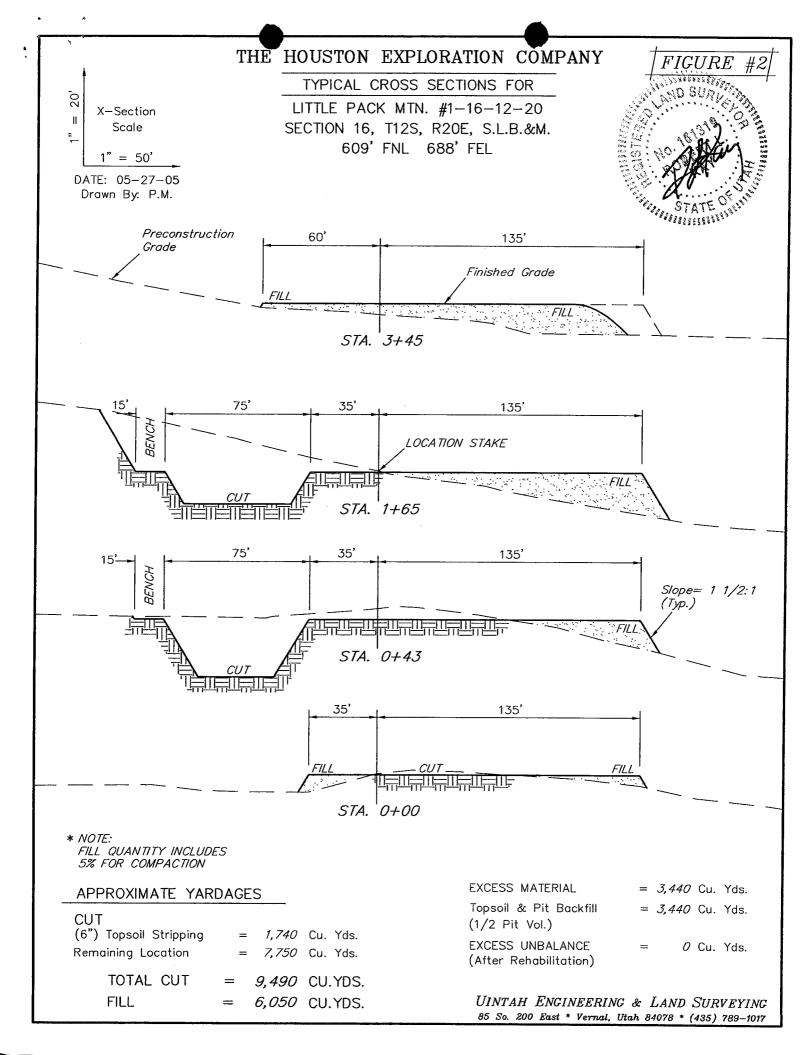
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 vels@uelsinc.com

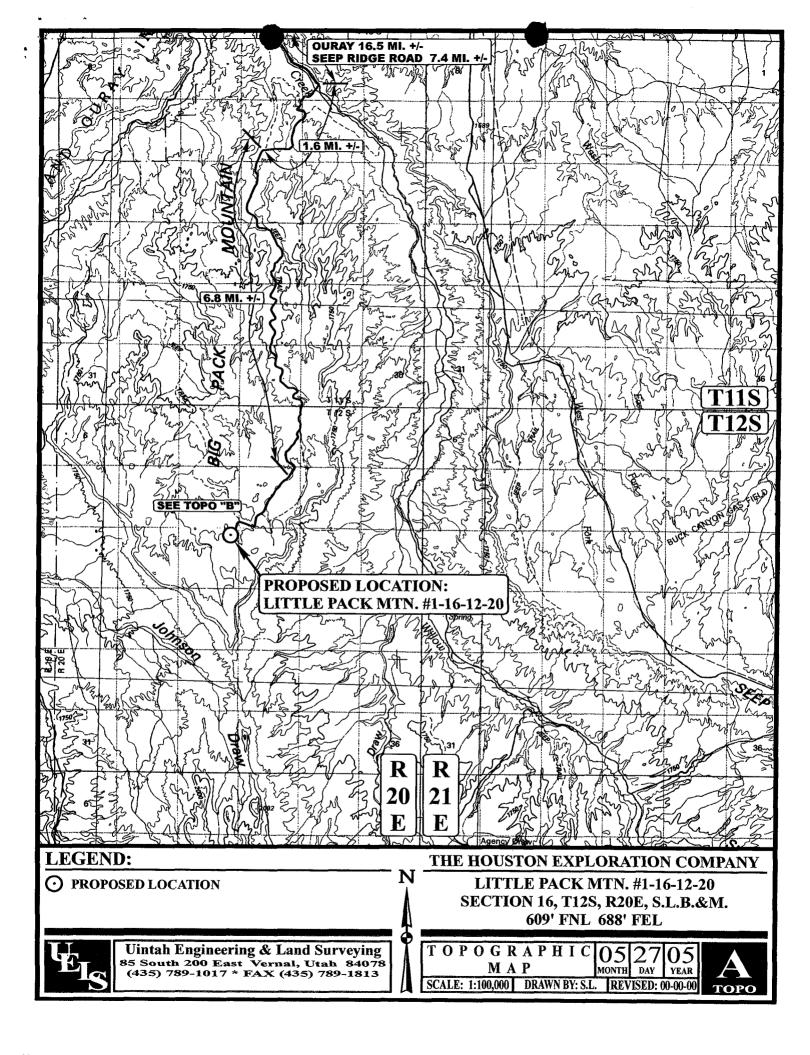
LOCATION PHOTOS

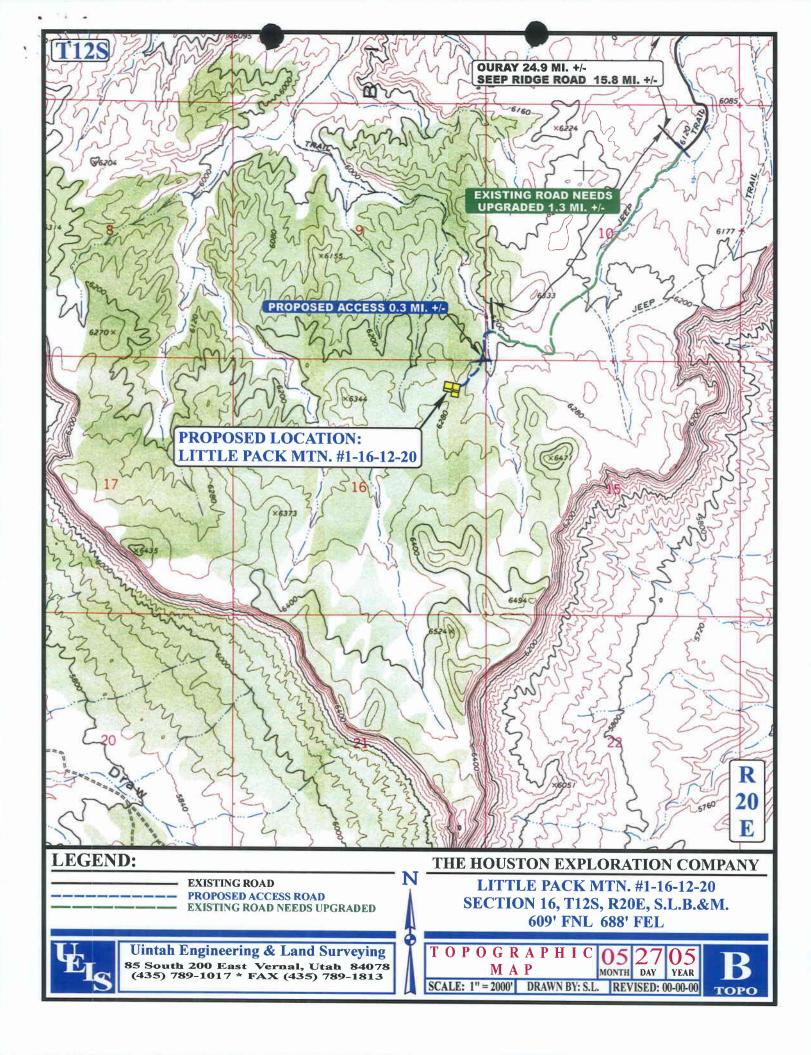
TAKEN BY: G.O. | DRAWN BY: S.L. REVISED: 00-00-00

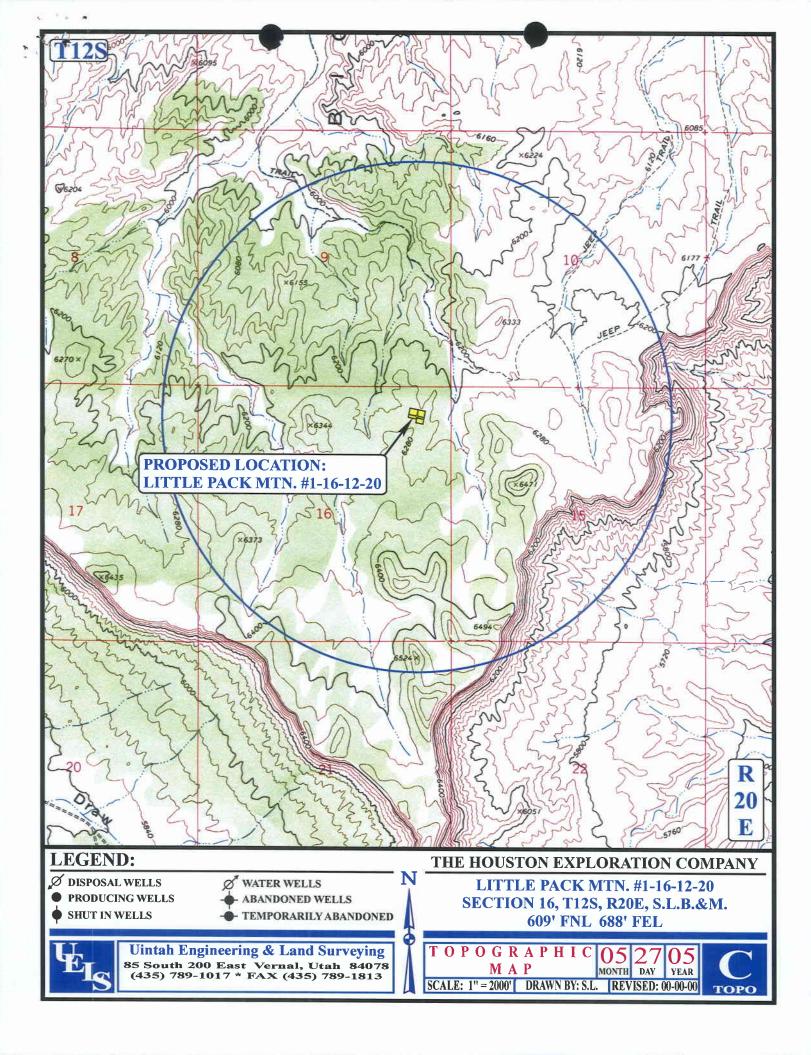
РНОТО



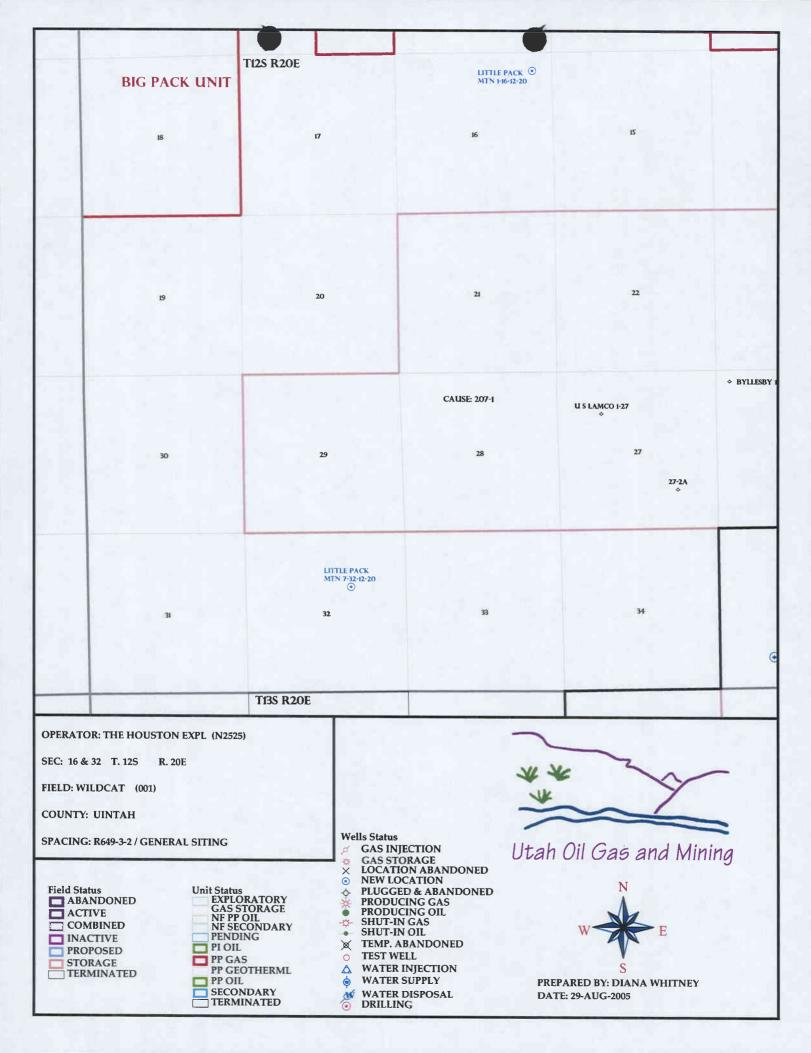








APD RECEIV	ED: 08/17/2005	API NO. ASSIGNED: 43-047-36981			
OPERATOR:	LITTLE PACK MTN 1-16-12-20 HOUSTON EXPLORATION CO, (N2525) BILL RYAN	PHONE NUMBER: 435-789-0968			
PROPOSED LO	OCATION: 16 120S 200E	INSPECT LOCATE	1 BY: /	/	
	: 0609 FNL 0688 FEL 0609 FNL 0688 FEL	Tech Review	Initials	Date	
UINTAH		Engineering	DRO	9/15/05	
WILDCAT	(1):	Geology			
	ER: ML-47082	Surface	- Yer		
SURFACE OWNER: 3 - State PROPOSED FORMATION: CSLGT COALBED METHANE WELL? NO		LATITUDE: 39.77917 LONGITUDE: -109.6763			
Plat Bond (No Potas Oil S Water (No RDCC (Dat	ND/OR REVIEWED: : Fed[] Ind[] Sta[] Fee[] · 104155044	LOCATION AND SITING: R649-2-3. Unit R649-3-2. General			
COMMENTS: _	Neas Pusit	, (09-12-05)			
STIPULATIONS: 1-Spacing ISTIP 2- STATEMENT OF BASIS 3-(mt stip #3 - (4'6" production, ± 2500'ND)					



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER:	LITTLE PACK MOUNTAIN 1-16-12-20
API NUMBER:	
LOCATION: 1/4,1/4 <u>NE/NE</u> Sec:	16 TWP: 12S RNG: 20E 688' FEL 609' FNL
Geology/Ground Water:	
moderately saline water is estimated water wells within a 10,000 foot rad Green River Formation. The Green limestones. This can be considered	t 2,000 feet of surface casing cemented to the surface. The base of the at 3,700 feet. A search of Division of Water Rights records shows no ius of the proposed location. The surface formation at this location is the River Formation is made up of sands interbedded with shales and a recharge area for the Green River Formation and should be protected. adequately protect the recharge area and potentially useable aquifers.
Reviewer: Brad	Hill Date: 09-14-05
Surface:	
SITLA were invited to this investigate. State minerals, and appears to be the base critical deer winter range and his	ion on 09/02/05. Mr. Williams was present. This site is on State surface, with best site for a location in the immediate area. Mr. Williams stated that this area gh value winter elk range. He recommended that no construction or drilling April 15. He gave Ms. Stringham with Houston a DWR prescribed seed mix need.
Reviewer: <u>David W</u>	. Hackford Date: 09/13/2005

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: THE HOUSTON EXPLORATION COMPANY

WELL NAME & NUMBER: LITTLE PACK MOUNTAIN 1-16-12-20

API NUMBER: 43-047-36981

LEASE: ML-47082 FIELD/UNIT:

LOCATION: 1/4,1/4 NE/NE sec: 16 TWP: 12S RNG: 20E 688' FEL 609' FNL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 613350E 4403875N SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

<u>DAVID W. HACKFORD (DOGM), GINGER STRINGHAM (HOUSTON), BEN WILLIAMS (DWR).</u>

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN AN AREA OF LOW ROLLING HILLS AND SHALLOW DRAWS ON THE SOUTH END OF BIG PACK MOUNTAIN. DRAINAGE IS TO THE NORTHWEST TO HILL CREEK WHICH IS 2.1 MILES AWAY. HILL CREEK DRAINS TO THE NORTHEAST FOR EIGHT MILES WHERE IT ENTERS WILLOW CREEK. VERNAL, UTAH IS 58 MILES TO THE NORTH. THE SOUTH RIM OF BIG PACK MOUNTAIN IS 1.1 MILES TO THE SOUTH.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 345' BY 220'. ACCESS ROAD WILL BE 0.3 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: <u>ALL PRODUCTION</u> FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL BE SURVEYED AND PERMITTED IF NEEDED.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL CONSTRUCTION MATERIAL WILL BE</u> BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: UNLIKELY.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL

BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, JUNIPER, PRICKLY PEAR, RABBITBRUSH, PINION: PRONGHORN, RODENTS, SONGBIRDS, RAPTORS, COYOTE, RABBITS, DEER, ELK.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY LOAM.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION.</u>
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED

RESERVE PIT

CHARACTERISTICS: 150' BY 75' AND 12' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY SAGEBRUSH ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS

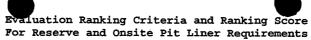
THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A WARM, SUNNY DAY.

<u>ATTACHMENTS</u>

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

09/12/05 3:00 PM DATE/TIME



DIE SVISCON IOI	Marce Fit Hiner I	xequirements
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	0
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200 < 100	15	•
· 100	20	0
Distance to Nearest Municipal		
Well (feet) >5280	^	
1320 to 5280	0 5	
500 to 1320	10	
<500	20	0
		<u>~_</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320 <300	10	_
2300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	20
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of		
hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	5
Afforda Demulations		
Affected Populations <10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility		- -
Conduits		
Not Present	0	
Unknown	10	
Present	15	0

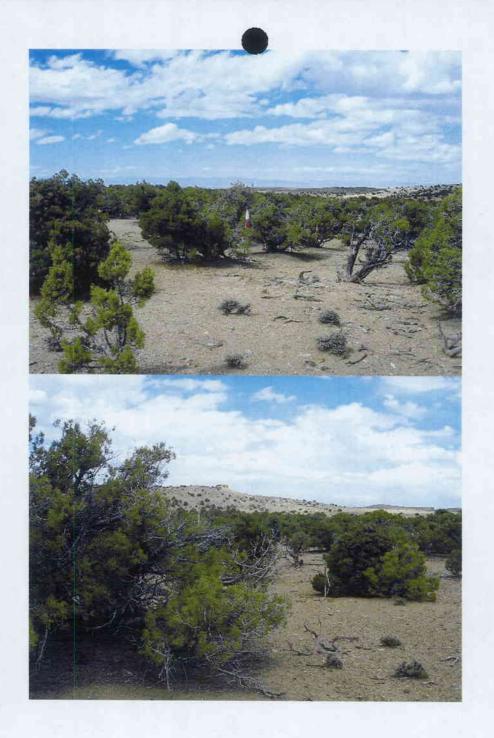
Final Score 30 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





STATE ACTIONS

Resource Development Coordinating Committee Governor's Office of Planning and Budget

5110 State Office Building SLC, UT 84114

Phone No. 53	7-9230
1. State Agency	2. Approximate date project will start:
Oil, Gas and Mining	
1594 West North Temple, Suite 1210	Upon Approval or September 12, 2005
Salt Lake City, UT 84114-5801	
3. Title of proposed action:	
Application for Permit to Drill	
4. Description of Project:	
The Houston Exploration Company proposes to d	rill the Little Pack Mountain 1-16-12-20 well
(wildcat) on State lease ML 47082, Uintah County, U	Itah. This action is being presented to the
RDCC for consideration of resource issues affecting	state interests. The Division of Oil, Gas and
Mining is the primary administrative agency in this a	ction and must issue approval before operations
commence.	
5. Location and detailed map of land affected (site loc	cation map required, electronic GIS map
preferred)	•
(include UTM coordinates where possible) (indicate of	
609' FNL 688' FEL, NE/4 NE	
Section 16, Township 12 South, Range	e 20 East, Uintah County, Utah
6. Possible significant impacts likely to occur:	
Surface impacts include up to five acres of surface	e disturbance during the drilling and completion
phase (estimated for five weeks duration). If oil and	gas in commercial quantities is discovered, the
location will be reclaimed back to a net disturbance of	f between one and two acres – not including
road, pipeline, or utility infrastructure. If no oil or ga	is is discovered, the location will be completely
reclaimed.	
7. Identify local government affected	
a. Has the government been contacted? No.	
b. When?	
c. What was the response?	
d. If no response, how is the local government(s) l	ikely to be impacted?
8. For acquisitions of land or interests in land by DW	R or State Parks please identify state
representative and state senator for the project area.	Name and phone number of state
representative, state senator near project site, if appli	icable:
a. Has the representative and senator been contact	ted? N/A
9. Areawide clearinghouse(s) receiving state action:	(to be sent out by agency in block 1)
Uintah Basin Association of Governments	·
10. For further information, contact:	11. Signature and title of authorized officer

Diana Whitney

Phone: (801) 538-5312

Gil Hunt, Associate Director

Date: August 29, 2005

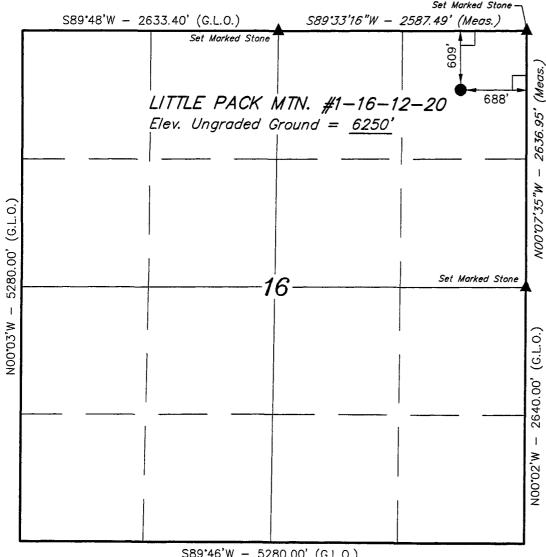
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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PURIM

			5	10101101 01	E, ONO AIRD MINING				nt changes)
		APPLICAT	ION FOR F	PERMIT TO	DRILL		5. MINERAL ML-470		6. SURFACE: State
1A. TYPE OF W	ORK: [ORILL 🔽	REENTER 🗌	DEEPEN			7. IF INDIAN	, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WE	-	GAS 🗸	OTHER	SIN	GLE ZONE MULTIPLE ZON	E 🗾	8. UNIT or C	A AGREEMENT I	NAME:
2. NAME OF OPE		ion Company	/					ME and NUMBER	=-
3. ADDRESS OF	OPERATOR:			······································	PHONE NUMBER:			ACK MOUNT ND POOL, OR W	ain <i>!-16:</i> -12-20
	iana Suite	20 _{CITY} Houst	on _{stat.}	E TX ZIP 77	002 (713) 830-6800				
	•	& 688' FEL	4	13360 X	39,779170		11. QTR/QTI MERIDIA	R, SECTION, TO\ N;	MNSHIP, RANGE,
		one: same as	above	1403874	4 -109.676280		NENE	16 128	S 20E
14. DISTANCE I	MILES AND DIR	ECTION FROM NEAF	REST TOWN OR POS	T OFFICE:	· · · · · · · · · · · · · · · · · · ·		12. COUNTY	<i>?</i> :	13. STATE:
		Vernal, UT					Uintah		UTAH
	O NEAREST PRO	PERTY OR LEASE L	INE (FEET)	16. NUMBER O	FACRES IN LEASE:	17. N	JMBER OF AC	CRES ASSIGNED	TO THIS WELL:
608'	O NEADEST ME	L (DRILLING, COMP	ETER OR	42.000	640				40
APPLIED FO	R) ON THIS LEAS	E (FEET)	LETED, OK	19. PROPOSED		D. BOND DESCRIPTION:			
	S (SHOW WHETH	ER DF, RT, GR, ETC	.):	22. APPROXIM	8,000 ATE DATE WORK WILL START:		4155044		
6250.2' G		***	,	8/15/200		I	Days	TOTION.	
24.			PROPOSE	ED CASING A	ND CEMENTING PROGRAM				
SIZE OF HOLE	CASING SIZE	, GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY,	YIELD, AND S	LURRY WEIGHT	
11"	8 5/8"	J-55	36#	2,000	PREMIUM LITE II	250	SKS	3.38 CF	11.0 PPG
		***			CLASS "G"	329	SKS	1.2 CF	15.6 PPG
					Calcium Chloride	200	SKS	1.10 CF	15.6 PPG
7 7/8"	4 1/2"	N-80	11.6#	8,000	PREMIUM LITE II	200	SKS	3.3 CF	11.0 PPG
					CLASS "G"	400	SKS	1.56 CF	14.3 PPG
									
25.			····		CHMENTS				
	LLOWING ARE AT	TTACHED IN ACCOR	DANCE WITH THE UT	TAH OIL AND GAS C	ONSERVATION GENERAL RULES:				
WELL PL	AT OR MAP PRE	PARED BY LICENSE	D SURVEYOR OR EN	IGINEER	COMPLETE DRILLING PLAN				
Z EVIDEN	CE OF DIVISION (OF WATER RIGHTS	APPROVAL FOR USE	OF WATER	FORM 5, IF OPERATOR IS PE	RSON O	R COMPANY	OTHER THAN TH	IE LEASE OWNER
NAME (PLEASE	DOWN Willia	m A Ryan			Agent				
NAME (PLEASE	PRINT)	-11-			ππιε Agent	• • • • • • • • • • • • • • • • • • • •			
SIGNATURE		Wlow	a Pyper		DATE 8/15/2005				
(This space for Sta	ate use only)		\bigvee				p- -	COCI	/ED
		la.					Н	RECEIV	ピレ
API NUMBER AS	SIGNED:	13-047-34	981		APPROVAL:		ı	AUG 1 / 1	2005

T12S, R20E, S.L.B.&M.



S89'46'W - 5280.00' (G.L.O.)

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

= 90° SYMBOL

PROPOSED WELL HEAD.

SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39'46'44.82" (39.779117) LONGITUDE = $109^{40}37.58$ " (109.677106)

(NAD 27)

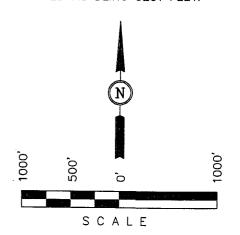
LATITUDE = 39.46'44.94'' (39.779150) LONGITUDE = 109'40'35.09" (109.676414)

THE HOUSTON EXPLORATION COMPANY

Well location, LITTLE PACK MTN. #1-16-12-20, located as shown in the NE 1/4 NE 1/4 of Section 16, T12S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



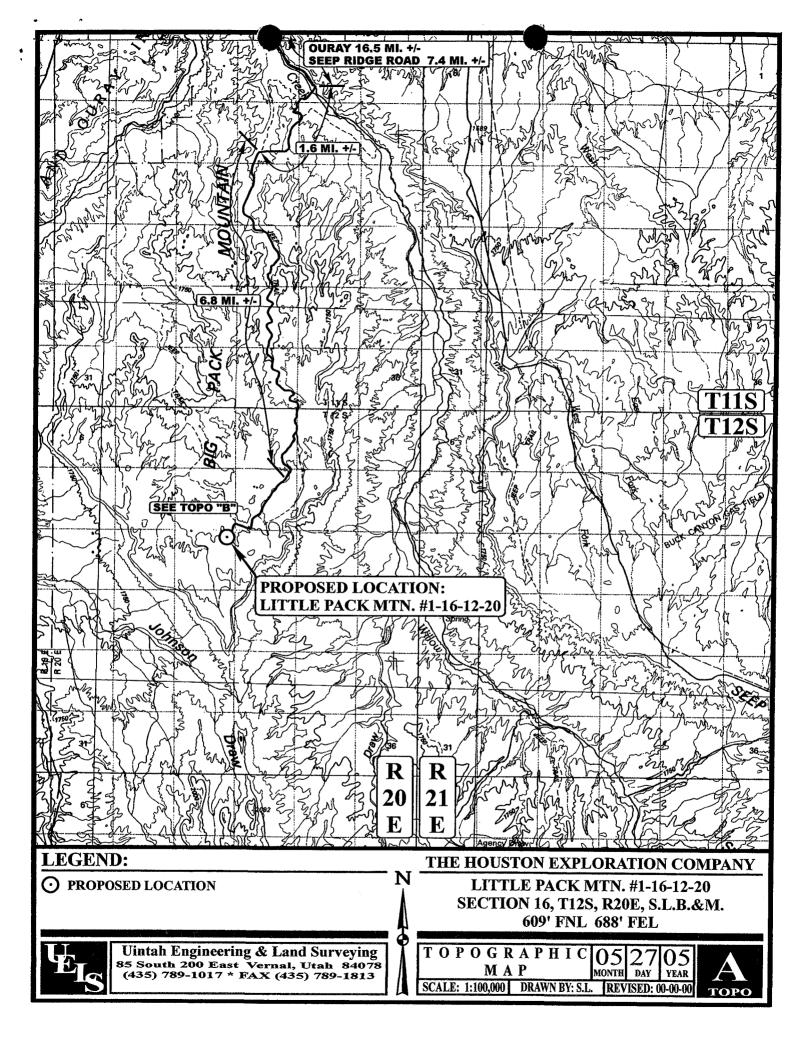
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND BEST OF MY KNOWLEDGE AND BELIEF

REGISTRATION NO 1612

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST -VERNAL, UTAH 84078

(435) 789-1017

(455) 769-1017								
SCALE 1" = 1000'			DATE SURVEYED: 05-26-05	DATE DRAWN: 05-27-05				
G.O. B.H.	Р.М.		REFERENCES G.L.O. PLAT	-				
WEATHER WARM		FILE THE H	OUSTON EXPLORA	ATION COMPANY				



Project Number: 5637 Sponsor: Division of Oil, Gas and Mining

SLB&M: Sec. 16, T12S, R20E Counties Affected: Uintah

Description: Application for Permit to Drill - proposal to drill a wildcat well the Little

Pack Mountain 1-16-12-20, on State lease ML 47082

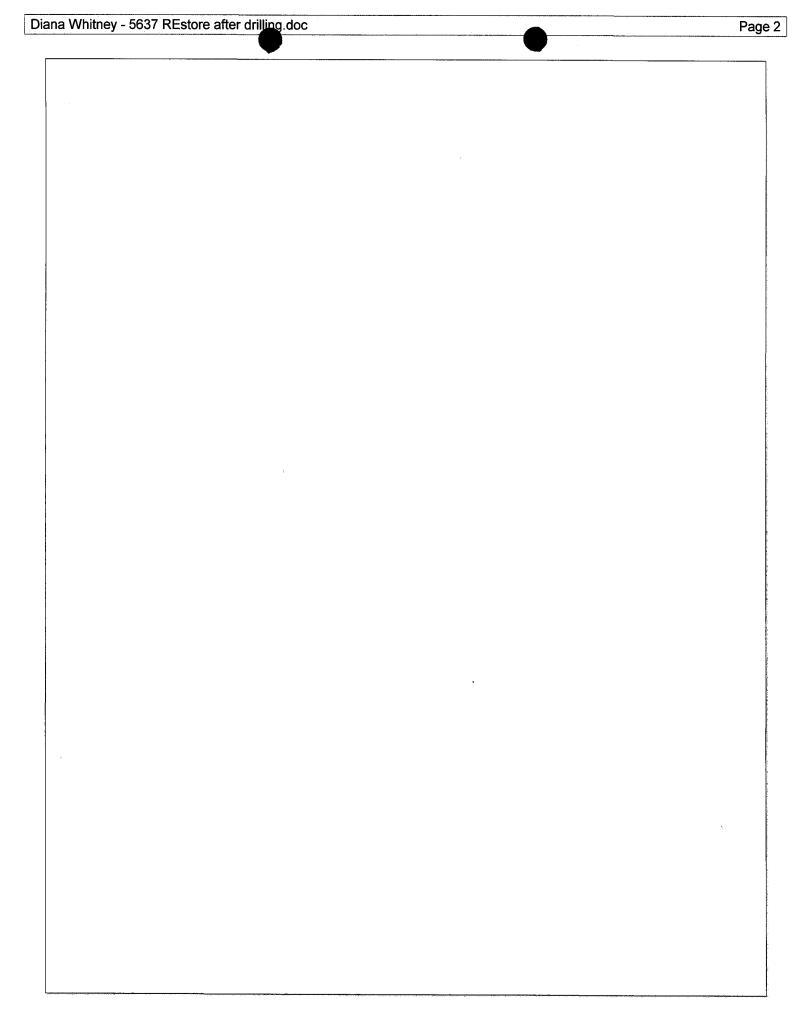
Possible significant impacts likely to occur:

Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.

Comments:

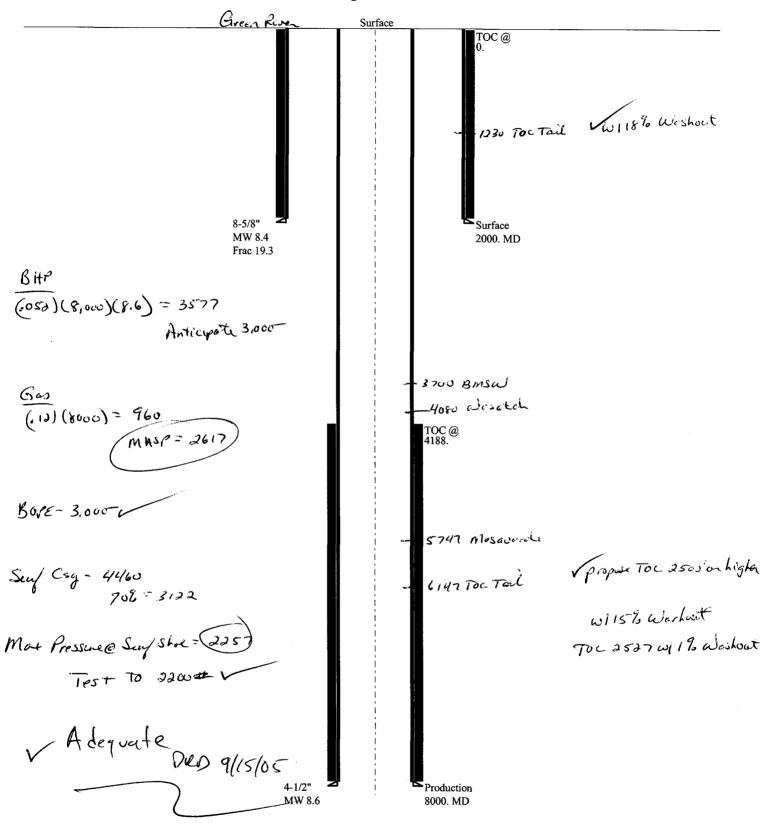
Before permitting drilling site development to proceed, conditions should be included within the permit to protect environmental quality, sustain valuable natural resources, and to reduce future costs on the treasury of Utah and its citizens. These conditions should include -

- A) Net erosion from the total comprehensive drilling site project shall not exceed 'tolerable' erosion rates as determined by USDA / NRCS for agricultural soils. Although the land is not in agricultural use, maintaining these standards will preserve and protect natural resource values of the soil and in the waters downslope of the project area.
- B) Erosion from any one site or disturbance will not exceed the tolerable erosion rate by greater than 2.0 times the tolerable rate.
- C) All sites disturbed by the project shall be restored to appropriate species, variety, and density of vegetative cover.
- D) No discharge or runoff of hydrocarbons from vehicles, drilling site, wells, tanks, nor any other source shall be allowed which might enter waters of the state.
- E) Project drilling site placements and all other ground disturbing activities shall be designed, engineered, and implemented to minimize crossing of and/or disturbance to streams, washes, gullies, arroyos, nor other depressions where resulting erosion potential or habitat value might be high.
- F) Appropriate maintenance of pumping, extraction, drilling site, and all other facilities shall be ongoing for duration of lease to sustain ecological function including habitat, soil stability, vegetative cover, and prevention of damage to the environment including release or deposition of materials that are toxic or otherwise detrimental.
- G) Upon ultimate termination of the lease in the future, drilling site and all other disturbances shall be appropriately removed and sites restored as closely as possible to equal or exceed vegetative cover, soil stability and soil permeability as existed prior to project implementation. A bond shall be provided to insure such restoration.



905 Houston Little Pack Mtn 916-12-20

Casing Schematic



Well name:

09-05 Houston Little Pack Mtn 1-16-12-20

Operator:

Houston Exploration Company

String type:

Location:

Surface

Project ID:

43-047-36981

Design parameters:

Collapse

Mud weight:

8.400 ppg

Design is based on evacuated pipe.

Uintah County

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered?

75 °F Surface temperature: 103 °F Bottom hole temperature:

Temperature gradient:

1.40 °F/100ft

Minimum section length:

350 ft

8,000 ft

No

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure:

1,760 psi

Internal gradient: Calculated BHP

0.120 psi/ft

2,000 psi

Tension:

8 Round STC: 8 Round LTC:

Buttress:

Premium: Body yield:

1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 1,749 ft

Completion type is subs Non-directional string.

Re subsequent strings: Next setting depth:

Next mud weight: 8.600 ppg Next setting BHP: 3,574 psi 19.250 ppg Fracture mud wt: 2,000 ft

Fracture depth: Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.5
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	3450	3.954	2000	4460	2.23	63	434	6.89 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 801-359-3940

Date: September 15,2005

Salt Lake City, Utah

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

09-05 Houston Little Pack Mtn 1-16-12-20

Minimum design factors:

Operator:

Houston Exploration Company

String type:

Production

Project ID: 43-047-36981

Location:

Uintah County

Design parameters:

Collapse

Mud weight: Design is based on evacuated pipe.

8.600 ppg

Collapse: Design factor

1.125

Environment:

H2S considered? Surface temperature: No 75 °F

Bottom hole temperature:

187 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst: Design factor

1.00

Cement top:

4,188 ft

Burst

Max anticipated surface

pressure:

2,614 psi

Internal gradient: Calculated BHP

No backup mud specified.

0.120 psi/ft 3,574 psi

Tension:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC:

Buttress: Premium:

1.60 (J) 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 6,971 ft

Completion type is subs Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8000	4.5	11.60	N-80	LT&C	80Ó0	8000	3.875	185.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3574	6350	1.777	3574	7780	2.18	81	223	2.76 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 801-359-3940

Date: September 15.2005

Salt Lake City, Utah

Collapse is based on a vertical depth of 8000 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

SANDARD FORM 299(1/99) Prescribed by DOI/USDA/DOT P.I. 96-487 and Federal Reister Notice 5-22-95

APPLICATION FOR TRANSPORTATION AND UTILITY SYSTEMS AND FACILITIES

FORM APPROVED OMB NO. 1004-0060

Expires: December 31, 2001

	N FEDERAL LANDS	FOR AGENCY USE ONLY		
NOTE: Before completing and file application, the applicant st schedule a preaplication meeting with representatives application. Each agency may have specific and unique the application. Many times, with help of the representations.	of the agency responsible for processing the requirements to be met in preparing and processing	Application Number		
at the application meeting.	,	Date Filed		
Name and address of the applicant (include Zip code) The Houston Exploration Company 1100 Louisiana, Suite 2000	2 Name, title, and address of authorized agent if different from item 1 (include zip code) William A Ryan 290 S 800 E	3 TELEPHONE (area code) Applicant 713-830-6800		
Houston, TX 77002	Vernal, UT 84078	Authorized Agent 435-789-0968		
Individual Corporation* Partnership/Association* State Government/State Agency Local Government Federal Agency Checked complete suppliemental page				
6 If an individual, or partnership are you a citizen(s)	of the United States?			
specifications (lentin, width, grade, etc.); (d) term of years n (g) duration and time of construction; and (h) temporary wo	ight-of-way, 18 ft. running surface.	ount of production to be transported; additional space is needed.)		
8 Attach a map covering area and show location of proposal				
9 State or Local government approval Attached	X Applied for Not Required			
Nonreturnable application fee: X Attached	Not Required			
Does Project cross international or affect international water	ways? Yes X No			
2 Give statement of your technical and financial capability to on The Houston Exploration Company has	conduct, operate, maintain, and terminate system for which as conducted operations on State of Utah and	authorization id being requested Federal Lands for more		

than 10 years. The Houston Exploration Company has constructed numerous access roads with the BLM, Vernal Field Office. The Houston Exploration Company has the financial capability to construct, operate,

AUG 3 1 2005

and maintain the proposed access road.

18 a	Describe other reasonable alternative routs at the desconsidered. An alternative would be to crown and ditch the access road.	
b	b Why were these alternatives not selected Cost was the determining factor.	
c	c Give explanation as to why it is necessary to cross Federal Lands. It is necessary to cross Federal Lands to access a State of Utah location. Little Pack Mountain 1-16-12-20	
14	List authorization and pending application filed for similar projects which may provide information to authorizing agency. (specify number, date, code, or name)	
	An Appplication for Permit to Drill has been filed with the State Division of Oil, Gas and Mining.	
15	Provide statement of need for project, including the economic feasibility and items as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and © expected public benefits. a. The cost estimate for the access road is \$1000/mile.	
	b. The cost estimate for the alternative is \$5000/mile.c. The expected public benefit is increase local jobs and less dependency on foreign oil & gas.	,
16	Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles. There will be no significant impacts on the areas population, social or economic aspects or the rural lifestyle from the proposed project.	
17	Describe likely environmental effects project will have on: (a) air quality: (b) visual impacts: © surface and ground water quality and Quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land including vegetation, permafrost, soil, and soil stability.	ı
	a. minimal d. no change	
	b. mimimal e. minimal	
18	c. minimal f. slight disturbance when pipeline is boomed off access.	
10	Describe the probable effects that the proposed project will have on (a) populations of fish, plantlike, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.	and
	a. There will be little or no impacts on fish, plantlife, wildlife, and threatened and endangered species b. NA	
19	State whether any hazardous material, as defined in this paragraph, will be used, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities. "Hazardous Material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compenand Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances unsure CERCLA inclumazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), ass amended, 42 U.S.C. 6901 et seq., and its regulations are material also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or described as a hazardous substance, under CERCIA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.	ides any ulations
20	Name all the Department(s)/Agency(ies) where this application is being filed. Bureau of Land Management, Vernal Field Office. Vernal, UT	
THEREE	Cc: Utah Division of Oil, Gas and Mining. REBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained the li	formation
containe	alned in the application and believe that the formation submitted in correct to the best of my knowledge.	
Signatur	Date 8/22/2005	
Tital 18,	18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the Litah States any false	

fictitous, or fraudulent statements or representations as to any matter within its juristriction.

September 1, 2005

State Institution of Trust Lands Administration 675 E 500 S, Suite 500 Salt Lake City, UT 84102

RE: The Houston Exploration Company
Lease #ML-47082
Section 16, Township 12 South, Range 20 East
Little Pack Mountain 1-16-12-20
Uintah County, UT

Dear Sir or Madam:

The Houston Exploration Company is requesting a lease suspension for operations and production due to a Right-of-Way for road access to the subject well filed with the BLM, Vernal Field Office. Due to a heavy workload with the BLM, it is taking an increased amount of time for right-of-ways to be issued. The lease is due to expire on September 30, 2005. Please send all correspondence to William A Ryan, Agent.

Best regards, <

William A Ryan

RECEIVED SEP 0 9 2005

DIV. OF OIL, GAS & MINING

From:

Robert Clark

To:

Whitney, Diana 9/9/2005 9:59:54 AM

Date: Subject:

Comments in regard to RDCC # 5637-5639

The following comments are submitted in response to three short turn around items that appeared in this weeks RDCC memo from Carolyn Wright.

The item numbers are:

RDCC #5637 Little Pack Mountain 1-16-12-20 wildcat well in Uintah County, RDCC #5638 Little Pack Mountain 7-32-12-20 wildcat well in Uintah County, and RDCC #5639 Paradox Basin #1 wildcat well in Grand County.

The comments are applicable to all three RDCC items.

Comments begin: The proposed well drilling project may require a permit, known as an Approval Order, from the Utah Division of Air Quality if any compressor stations are constructed at the site. A permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, SLC, UT, 84116 for review according to the Utah Air Conservation Rule R307-400, Permits, Notice of Intent and Approval Order. The proposed well drilling project is subject to Utah Air Conservation Rule R307-205-3, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Division of Air Quality, but steps need to be taken to minimize fugitive dust, such as, watering and/or chemical stabilization, providing vegetative or synthetic cover and windbreaks. A copy of the rules are found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

Robert ClarkDivision of Air Quality536-4435

CC:

Mcneill, Dave; Wright, Carolyn

From:

Ed Bonner

To:

Whitney, Diana

Date:

9/22/2005 9:37:44 AM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Enduring Resources, LLC

Archy Bench 11-24-12-32

Archy Bench 11-24-24-32

Rainbow 12-24-12-16

Rainbow 12-24-41-16

GLNA, LLC

Paradox Basin #1

The Houston Exploration Company

Little Pack Mountain 1-16-12-20

Little Pack Mountain 7-32-12-20

Quaneco, LLC

Murphy Ridge 7-32

Rosewood Resources

Stirrup State 7-32

Westport Oil & Gas Company

Bonanza 1023-2B (1 significant site which must be avoided)

Bonanza 1023-2D

Bonanza 1023-2H

Bonanza 1023-16J

XTO Energy Inc

State of Utah 17-8-18-14

State of Utah 17-8-18-12

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director



GARY R. HERBERT Lieutenant Governor

September 22, 2005

Houston Exploration Company 1100 Louisiana, Suite 2000 Houston, TX 77002

Re: Little Pack Mountain 1-16-12-20 Well, 609' FNL, 688' FEL, NE NE, Sec. 16, T. 12 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36981.

Sincerely.

Gil Hunt

Associate Director

pab Enclosures

cc:

Uintah County Assessor

SITLA

Operator:	Houston Exploration Company	
Well Name & Number	Little Pack Mountain 1-16-12-20	_
API Number:	43-047-36981	_
Lease:	ML-47082	_
		_

T. <u>12 South</u>

R. 20 East

Conditions of Approval

Sec. 16

1. General

Location: NE NE

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-36981 September 22, 2005

- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 7. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.
- 8. Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to ±2500' MD as indicated in the submitted drilling plan.

OPERATOR CHANGE WORKSHEET

ROUTING 1. DJJ

2. CDW Designation of Agent/Operator

X Change of Operator (Well Sold)

Operator Name Change

Merger

The operator of the well(s) listed below h	ve:	9/1/2005							
FROM: (Old Operator):				TO: (New 0	Operator):				7
N2525-The Houston Exploration Company		N2750-Enduring Resources, LLC							
1100 Louisiana, Suite 2000		7th Street, Si				ſ			
Houston, TX 77002		er, CO 80202							
Phone: 1-(713) 830-6938	Phone: 1-(303	•				İ			
C	A No.		****	Unit:	7) 550-5102				-
WELL(S)				0 222	····				\dashv
NAME	SEC	TW	N RNG	API NO	ENTITY	LEASE	WELL	WELL	-
					NO	TYPE	TYPE	STATUS	
E BENCH 16-16-11-22	16	1108	220E	4304737121	110	State	GW	NEW	-
E BENCH 14-16-11-22	16			4304737122		State	GW	NEW	C
E BENCH 9-16-11-22	16			4304737123	 	State	GW	NEW	
E BENCH 6-16-11-22	16			4304737124	 	State	GW		C
E BENCH 2-16-11-22	16			4304737124	 			NEW	C
E BENCH 4-16-11-22	16					State	GW	NEW	C
E BENCH 8-16-11-22			_	4304737126		State	GW	NEW	С
E BENCH 12-16-11-22	16			4304737127		State	GW	NEW	С
E BENCH 5-16-11-22	16			4304737128		State	GW	NEW	C
	16		220E	4304737129		State	GW	NEW	C
E BENCH 13-16-11-22	16		220E	4304737130		State	GW	NEW	С
ASPHALT WASH 3-16-11-24	16	1108	240E	4304736886		State	GW	APD	C
ASPHALT WASH 11-16-11-24	16	110S	240E	4304737088		State	GW	NEW	C
ASPHALT WASH 5-16-11-24	16	110S	240E	4304737089		State	GW	NEW	C
LITTLE PACK MTN 1-16-12-20	16	120S	200E	4304736981		State	GW	APD	干
LITTLE PACK MTN 7-32-12-20	32	120S		4304736980		State	GW	APD	+
BUCK CYN 13-16-12-21	16			4304737118		State	GW	NEW	+
BUCK CYN 11-16-12-21	16		210E	4304737119		State	GW	NEW	C C
		1.200	-102	1301737117	· · · · · · · · · · · · · · · · · · ·	State	10W	NEW	무
		 			+	 	+		4
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		 			-	<u> </u>			_
		 							
<u></u>		<u> </u>				<u> </u>			
OPERATOR CHANGES DOCUMEnter date after each listed item is completed. (R649-8-10) Sundry or legal documentation.	e ted tion was rec	eived f				9/26/200	5		
2. (R649-8-10) Sundry or legal documenta	tion was rec	eived f	rom the	NEW operator	r on:	9/26/200	5		
3. The new company was checked on the I		of Cor	nmerce	, Division of C	Corporation	s Database	on:	9/29/2005	
4. Is the new operator registered in the Star				Business Num		5771233-01		7,27,2003	
5. If NO, the operator was contacted conta									
6a. (R649-9-2)Waste Management Plan has		.d a			D	0/00/07			
					_Requested	9/29/05			
6b. Inspections of LA PA state/fee well sites	s complete o	n:		n/a					

				_	
operator ename for all wells holds on a statut of matalian reasons	_		,		
Federal and Indian Units:					
The BLM or BIA has approved the successor of unit operator for	r wells listed on:			not yet	
Federal and Indian Communization Agreements ("	CA"):				
· ·	-		n/a	_	
Underground Injection Control ("UIC") The Di	ivision has approv	ved UIC F	form 5, Tra	nsfer of Author	rity to
	ater disposal well	(s) listed (on:	<u>n/a</u>	,
TA ENTRY:					
changes entered in the Oil and Gas Database on:	9/29/2005				
changes have been entered on the Monthly Operator Change Sp	read Sheet on:		9/29/200	<u> 5</u>	
and information entered in RBDMS on:	9/30/2005				
ee/State wells attached to bond in RBDMS on:	9/30/2005				
njection Projects to new operator in RBDMS on:	n/a				
eceipt of Acceptance of Drilling Procedures for APD/New on:	,	9/26/2005	5		
ERAL WELL(S) BOND VERIFICATION:					
ederal well(s) covered by Bond Number:	UTB000173				
IAN WELL(S) BOND VERIFICATION:					
	n/a				
` /	D 137 1		DI DOGGO	221	
(649-3-1) The NEW operator of any fee well(s) listed covered by	y Bond Number		KLB00086		
	eir bond on:	n/a			
SE INTEDEST OWNED NOTIFICATION:					
649-2-10) The FORMER operator of the fee wells has been cont		٠,	tter from th	ne Division	
their responsibility to notify all interest owners of this change on	: -	n/a	_		
MENTS:		<u></u>			
1					
	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for Federal and Indian Communization Agreements ("The BLM or BIA has approved the operator for all wells listed wells and Indian Communization Agreements ("The BLM or BIA has approved the operator for all wells listed wells. The BLM or BIA has approved the operator for all wells listed wells. For the enhanced/secondary recovery unit/project for the wells. The Enanges entered in the Oil and Gas Database on: Changes have been entered on the Monthly Operator Change Spand information entered in RBDMS on: Fee/State wells attached to bond in RBDMS on: Injection Projects to new operator in RBDMS on: Receipt of Acceptance of Drilling Procedures for APD/New on: DERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number: IAN WELL(S) BOND VERIFICATION: Red49-3-1) The NEW operator of any fee well(s) listed covered by the FORMER operator has requested a release of liability from the Division sent response by letter on: ASE INTEREST OWNER NOTIFICATION: RESE INTEREST OWNER NOTIFICATION:	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: Federal and Indian Communization Agreements ("CA"): The BLM or BIA has approved the operator for all wells listed within a CA on: Underground Injection Control ("UIC") The Division has approved the operator for the water disposal well wells, for the enhanced/secondary recovery unit/project for the water disposal well and Entry: Changes entered in the Oil and Gas Database on: 9/29/2005 Changes have been entered on the Monthly Operator Change Spread Sheet on: Sond information entered in RBDMS on: 9/30/2005 Fee/State wells attached to bond in RBDMS on: 9/30/2005 Injection Projects to new operator in RBDMS on: 10 per Acceptance of Drilling Procedures for APD/New on: 11 per Acceptance of Drilling Procedures for APD/New on: 12 per AL WELL(S) BOND VERIFICATION: 13 per All WELL(S) BOND VERIFICATION: 14 per Acceptance of Drilling Procedures for APD/New on: 15 per All WELL(S) BOND VERIFICATION: 16 per All WELL(S) BOND VERIFICATION: 17 per Acceptance of Drilling Procedures for APD/New on: 18 per All WELL(S) BOND VERIFICATION: 19 per Acceptance of Drilling Procedures for APD/New on: 19 per All WELL(S) BOND VERIFICATION: 10 per Acceptance of Drilling Procedures for APD/New on: 10 per Acceptance of Drilling Procedures for APD/New on: 10 per Acceptance of Drilling Procedures for APD/New on: 11 per Acceptance of Drilling Procedures for APD/New on: 12 per Acceptance of Drilling Procedures for APD/New on: 13 per Acceptance of Drilling Procedures for APD/New on: 14 per Acceptance of Drilling Procedures for APD/New on: 15 per Acceptance of Drilling Procedures for APD/New on: 16 per Acceptance of Drilling Procedures for APD/New on: 17 per Acceptance of Drilling Procedures for APD/New on: 18 per Acceptance of Drilling Procedures for APD/New on: 19 per Acceptance of Drilling Procedures for APD/New on: 19 per Acceptance of Drilling Procedures for APD/New on: 19 per Acceptance of Drilling Procedures for APD/New on: 19 per Acceptan	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: Federal and Indian Communization Agreements ("CA"): The BLM or BIA has approved the operator for all wells listed within a CA on: Underground Injection Control ("UIC") The Division has approved UIC Finject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed of the action of the control of the control of the water disposal well(s) listed of the same shave been entered on the Monthly Operator Change Spread Sheet on: Sound information entered in RBDMS on: Fee/State wells attached to bond in RBDMS on: Fee/State well(s) bond verification: Fee/State well(s) covered by Bond Number: Federal well(s) covered by Bond Number: Federal well(s) covered by Bond Number: Fee/State well(s) bond verification: Fee/State well(s) bond verifica	re operator change for all wells listed on Federal or Indian leases on: BLM	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on:

9/29/2005

6c. Reports current for Production/Disposition & Sundries on:

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Little Pack Mountain 1-16		
4304736981	2	
Qtr-Qtr: NWNW Section: 16	Township: 12S	Range: 20E
Houston Exploration Company		
-	4304736981 Qtr-Qtr: NWNW Section: 16	4304736981 Qtr-Qtr: NWNW Section: 16 Township: 12S

Check one	Desired Action:
	and the second s
✓	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		1
If so, has the surface agreement been updated?		1
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		1
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		1
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		1
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	-	1
Is bonding still in place, which covers this proposed well? Bond No. RLB0008031	1	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) AVEX CAMPBELL	Title VICE PRESIDENT OF LAND
Signature //////////	Date 09/19/2005
Representing (company name) ENDURING RESOURCES, L	LC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)



4	

	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	See Attached List
The Houston Exploration Company NA5A5	9. API NUMBER:
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002 PHONE NUMBER: (713) 830-6938	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: See Attached List	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REF	
TYPE OF SUBMISSION TYPE OF ACTION	ON OTHER BATA
✓ NOTICE OF INTENT □ ACIDIZE □ DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
Effective	
	TUBING REPAIR
SURSEQUENT PEDODT	VENT OR FLARE
(Submit Original Form Only)	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	ON
Enduring Resources, LLC Operator #N 2750 475 17th Street, Ste 1500 Denver, CO 80202 Contact: Frank Hutto 303-350-5102 Utah State Bond #RLB0008031 Signature & Title Date	WP. OPS
SIGNATURE PARME AURO DATE 9/2/2005	/General Manager Onshore
This space for State use only) APPROVED 913913005	SEP 2 6 2005

Carlene Lussell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician (ctions on Reverse Side)

DIV. OF OIL, GAS & MINING

TRANSFER OF OPERATOR

NATURAL BUTTES FIELD, UINTAH COUNTY, UTAH DRILLED WELLS, TO BE OPERATED BY ENDURING RESOURCES, LLC

API Well Numbe	r Well Name	Well Status	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude
43047355550000	Bonanza #10D-18	SI	NWSE	18	9S-24E	1437 S	1800 E	40.03340	-109.25282
43047355510000	Bonanza #12D-12	Producing	NWSW	12	9S-23E	1556 S	867 W	40.04788	-109.28055
43047356930000	Bonanza #2D-27	Producing	NWNE	27	9S-24E	1064 N	1824 E	40.01123	-109.19600
43047359080000	Bonanza 10-11	Producing	NWSE	11	9S-23E	1991 S	1755 E	40.04866	-109.29035
43047356920000	Bonanza 10D-8	SI	NWSE	8	9S-24E	1510 S	1768 E	40.04789	-109.23383
43047355520000	Bonanza 1-11	Producing	NWNW	11	9S-23E	990 N	990 E	40.05431	-109.29891
43047359290000	Bonanza 12-20	Drlg	NWSW	20	9S-25E	1998 S	825 W	40.01947	-109.13150
43047-359210000	Bonanza 12A-18	Producing	NWSW	18	9S-24E	2067 S	813 W	40.03430	-109.26242
43047359090000	Bonanza 14-12	Evaluating	SESW	12	9S-23E	505 S	2001 W	40.04455	-109.27693
43047359940000	Bonanza 4-18	WOPL	NWNW	18	9S-24E	706 N	682 W	40.04119	-109.26288
43047-356220000	Bonanza 4D-16	Producing	NWNW	16	9S-24E	1152 N	1209 W	40.04000	-109.22349
43047358600000	Bonanza 6-36	Producing	SENW	36	9S-24E	2217 N	2009 W	39.99336	-109.16393
43047359120000	Bonanza 6B-8	Producing	SENW	8	9S-24E	2017 N	1878 W	40.05213	-109.24004
43047359200000	Bonanza 8D-7	Producing	SENE	7	9S-24E	1992 N	477 E	40.05220	-109.24845
43047359050000	Buck Canyon 15-24	P&A	SW/SE	24	12S-21E	700 S	2139 E	39.75386	-109.5134
43047348150000	Cartwright 2-35	TA	NWNE	35	9S-24E	858 N	2104 E	39.99733	-109.17882
43047332510000	East Bench 11-16	WOC	NESW	16	11S-22E	s s	1980 W	39.85889	-109.46172
43047347560000	Hoss 15	Producing	SWSE	20	9S-25E	1291 S	2088 E	40.01767	-109.12236
43047348140000	Little Joe 11-7	TA	NENE	7	9S-25E	710 N	644 E	40.05562	-109.13601
43047361500000	Rainbow 14-17	woc	SESW	17	11S-24E	780 S	1726 W	39.85689	-109.25731
43047361840000	Rainbow 2-16	WOC	NWNE	16	11S-24E	837 N	2136 E	39.86708	-109.23348
43047353630000	Southman Canyon 10D-36	Producing	NWSE	36	9S-23E	1757 S	1650 E	39.98991	-109.27148
43047353640000	Southman Canyon 12D-36	Producing	NWSW	36	9S-23E	1518 S	1069 W	39.98977	-109.28040
43047357700000	Southman Canyon 14C-36	Producing	SESW	36	9S-23E	648 S	1717 W	39.98689	-109.27716
43047357720000	Southman Canyon 16C-36	Producing	SESE	36	9S-23E	542 S	736 E	39.98607	-109.26912
43047356910000	Southman Canyon 2D-30	Producing	NWNE	30	9S-24E	1171 N	1502 E	40.01111	-109.25269
43047353650000	Southman Canyon 2D-36	Producing	NWNE	36	9S-23E	960 N	1751 E	39.99711	-109.27228
43047353610000	Southman Canyon 4D-36	Producing	NWNW	36	9S-23E	1163 N	1137 W		-109.28012
43047353620000	Southman Canyon 6D-36	Producing	SENW	36	9S-23E	2466 N	2271 W	39.99336	-109.27635
43047357710000	Southman Canyon 8C-36	Producing	SENE	36	9S-23E	2185 N	694 E		-109.26783
43047355590000	Thurston Federal #12-1	Producing	SESW	12	12S-21E	692 S	1959 W	39.78280	-109.51768



NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

								
Well Name	Q/Q	Sec	Т	R	Lease Number	Footages f/ Sec Lines - SL	API Number	1
Asphalt Wash 19-7	- sw/sw-	7	113	24E	UTU-73010	739' FSL & 629' FWL	43 047-36234	۱,
Bonanza 16-18	SE/SE	18	98	24E		861' FSL & 715' FEL	43-047-35992	- ′
Bonanza 4-11	NW/NW	11	98	23E	UTU-74426	671' FNL & 729' FWL	43-047-35968	4
Bonanza 10D-12	NW/SE	12	98	23E		1,785' FSL & 1,855' FEL	43-047-35919	┨
Bonanza 12-11	NW/SW	11	98	23E		1748' FSL & 420' FWL	43-047-35919	-
Bonanza 14-18	SE/SW	18	98	24E		472' FSL & 2,010' FWL	43-047-35993	4
Bonanza 14A-8	SE/SW	8	98	24E		907' FSL & 2,298' FWL	43-047-35952	4
Bonanza 16A-27 o	SE/SE	27	98	24E	UTU-80571	862' FSL & 581' FEL	43-047-35923	+
Bonanza 2-21	NW/NE	21	88	25E	UTU-73470	1,207' FNL & 1,541' FEL	43-047-35926	4
Bonanza 3-8	NW/NW	8	98	24E	UTU-73457	573' FNL & 1,518' FWL	43-047-35966	4
Bonanza 6D-7	SE NW	7	98	24E	UTU-73457	2,310' FNL & 2,310' FWL	43-047-35690	4
Bonanza 8-11	SE/NE	11	98	23E	UTU-74426	2,163 FNL & 615' FEL	43-047-35907	┨
Bonanza 8B-27	SE/NE	27	98	24E	UTU-80571	1,830' FNL & 735' FEL	43-047-35923	-
Buck Camp 4-25	NW/NW	25	11S	22E	UTU-74424	804 FNL & 695 FWL	43-047-36276	4
Buck Camp 4-26	NW/NW	26	118	22E	UTU-74974	660' FNL & 660' FWL	43-047-36274	-
Buck Canyon 1-24	NE/NE	24	12S	21E	UTU-73440	488' FNL & 833' FEL	43-047-35606	-
Buck Canyon 15-24	SWISE	24	128	21E	UTU 73440	700' FSL & 2,139' FEL	# 43-047-35905	+
Buck Canyon 7-24	SW/NE	- 24	123	21E	UTU-73440	2,041' FNL & 2,171' FEL	43-047-35904	4
Buck Canyon 9-24	NE/SE	24			UTU-73440	1784' FSL & 855' FEL	43-047-35904	-1
Rainbow 1-17	NE/NE	17	118	24E	UTU-73920	795' FNL & 586' FEL	43-047-36151	#
Southman Canyon #14-30	SE/SW	30	98	24E	UTU-80571	740' FSL & 1,737' FWL	43-047-35914	4
Southman Canyon #4C-30	NW/NW	30	9\$	24E	UTU-80571	676' FNL & 568' FWL	43-047-35913	┨
Southman Canyon 12-30	NW/SW	30	98	24E	UTU-80571	1,912' FSL & 513' FWL	43-047-36104	-
Southman Canyon 8-30	SE/NE	30	98	24E	UTU-80571	1,875' FNL & 818' FEL	43-047-35104	4
Southman Canyon 9-30	NE/SE	30	95	24E	UTU-80571	2,089' FSL & 831' FEL	43-047-36019	4

* 43047-35906 • 43047-35953

NEW OPERATOR: Enduring Resources, LLC **EFFECTIVE DATE:** September 1st, 2005

Southman Ganyon 13-36-9-23	SWSW	36	_05_		MI -47782		- 43-047-36532 	- Natural Buttes	- Cas
	NESW	36	98	23E	MI -47782	1965 FSL & 1953 FWL 467 FSL & 823 FWL	43-047-36535	Natural Buttes	Gas
Seep Springs 9-13-12-24 Southman Canyon 11-36-9-23	NESE	13	128	24E	ML-49275	663 FSL & 1960 FEL	43-047-36633	Undesignated	Gas
Seep Springs 9-13-12-24 Seep Springs 9-13-12-24	SENE	13	128	24E	ML-49275	1969 FNL & 642 FEL	43-047-36632	Undesignated	Gas
Seep Springs 7-13-12-24 Seep Springs 8-13-12-24	SWNE	13	128	24E	ML-49275	FNL & FEL	43-047-36631	Undesignated	Gas
Seep Springs 7-13-12-24	NWNE	13	125	24E		465 FNL & 1807 FEL	43-047-36627	Undesignated	Gas
Seep Springs 16-13-12-24 Seep Springs 2-13-12-24	SESE	13	125	24E		686 FSL & 640 FEL	43-047-36629	Undesignated	Gas
Seep Springs 16-11-12-24	SESE	11	128	24E		659 FSL & 466 FEL	43-047-36625	Undesignated	Gas
Seep Springs 15-13-12-24	SWSE	13	128	24E		622 FSL & 1806 FEL	43-047-36630	Undesignated	Gas
Seep Springs 15-11-12-24	SWSE	11	128	24E	· · · · · · · · · · · · · · · · · · ·	829 FSL & 2178 FEL	43-047-36626	Undesignated	Gas
Seep Springs 1-13-12-24	NENE	13	125	24E		753 FNL & 487 FEL	43-047-36628	Undesignated	Gas
Seep Springs 10-13-12-24	NWSE	13	128	24E		1950 FSL & 1802 FEL	43-047-36634	Undesignated	Gas
Rockhouse 16-2	SESE	2	118	23E		909' FSL & 748' FEL	43-047-36152	Rockhouse	Gas
Rockhouse #13-36	SWSW	36	108	22E		486 FSL & 844' FWL	43-047-35902	Natural Buttes	Gas
Rock House 9-32-10-23	NESE	_32_	105	23E		2008 FSL & 1042 FEL	43-047-36337	Natural Buttes	Gas
Rock House 7-36-10-22	SWNE	36	108	22E	ML-47061	2209 FNL & 2445 FEL	43-047-36409	Natural Buttes	Gas
Rock House 4-32-10-23	SWNW	32	108	23E	ML-47063	1406 FNL & 562 FWL	43-047-36412	Natural Buttes	Gas
Rock House 3-36-10-22	NENW	36	108	22E		934 FNL & 1783 FWL	43-047-36407	Natural Buttes	Gas
Rock House 1-36-10-22	NENE	36	105	22E		620 FNL & 850 FEL	43-047-36408	Natural Buttes	Gas
Rock House 13-32-10-23	swsw	32	108	23E		564 FSL & 471 FWL	43-047-36411	Natural Buttes	Gas
Rock House 12-36-10-23	NWSW	36	108	23E	ML-47907	1844 FSL & 755 FWL	43-047-36534	Natural Buttes	Gas
Little Pack Mountain 7-32	SWNE	32	128	20E	ML-47083	1792 FNL & 1797 FEL	43-047-36980	Wildcat	Gas
Little Pack Mountain 1-16	NWNW	16	128	20E	ML-47082	609 FNL & 688 FEL	43-047-36981	Wildcat	Gas
Hanging Rock 1-32	NENE	32	115	23E	ML-47079	542' FNL & 690' FEL	43-047-36309	Undesignated	Gas
Gusher 6-2	SENW	2	65	19E		1550 FNL 1825 FWL	43-047-36963	Moffit Canal	Oil
East Bench 9-16-11-22	NESE	16	115	22E	ML-46911	2035 FSL & 1422 FEL	43-047-37123	Undesignated	Gas
East Bench 8-16-11-22	SENE	16	115	22E	ML-46911	1880 FNL & 780 FEL	43-047-37127	Undesignated	Gas
East Bench 6-16-11-22	SENW	16	118	22E	ML-46911	1887 FNL & 2138 FWL	43-047-37124	Undesignated	Gas
East Bench 5-16-11-22	SWNW	16	115	22E	ML-46911	1980 FNL & 758 FWL	43-047-37129	Undesignated	Gas
East Bench 4-16-11-22	NWNW	16	115	22E	ML-46911	760 FNL & 860 FWL	43-047-37126	Undesignated	Gas
East Bench 2-16-11-22	NWNE	16	118	22E	ML-46911	705 FNL & 2077 FEL	43-047-37125	Undesignated	Gas
East Bench 16-16-11-22	SESE	16	115	22E	ML-46911	663 FSL & 1055 FEL	43-047-37121	Undesignated	Gas
East Bench 14-16-11-22	SESW	16	115	22E	ML-46911	848 FSL & 1930 FWL	43-047-37122	Undesignated	Gas
East Bench 13-16-11-22	SWSW	16	115	22E	ML-46911	880 FSL & 750 FWL	43-047-37130	Undesignated	Gas
East Bench 12-16-11-22	NWSW	16	115	22E	ML-46911	1862 FSL & 838 FEL	43-047-37128	Undesignated	Gas
East Bench 7-16	SWNE	16	118	22E	ML-46911	1,909' FNL & 1,643' FEL	43-047-36127	Undesignated	Gas
East Bench 3-16	NENW	16	115	22E	ML-46911	832' FNL & 1,978' FWL	43-047-36125	Undesignated	Gas
East Bench 15-16	SWSE	16	118	22E	ML-46911	545' FSL & 1,848' FEL	43-047-36128	Undesignated	Gas
East Bench 1-16	NENE	16	115	22E	ML-46911	660' FNL & 660' FEL	43-047-36126	Undesignated	Gas
Buck Canyon 15-16-12-21	SWSE	16	128	21W	ML-47085	NA	43-047-37120	Buck Canyon	Gas
Buck Canyon 13-16-21-21	SWSW	16	215	21W	ML-47085	NA	43-047-37118	Undesignated	Gas
Buck Canyon 11-16-12-21	NESW	16	125	21W	ML-47085	NA	43-047-37119	Undesignated	Gas
Buek Canyon 9-16-12-21	NESE-	_16_	125	21E	ML-47085	1980' FSL & 660' FEL	43-047-37091	Buck Canyon	Gas
Bonanza 6-20	SENW	20	98	25E	ML-45558	2,178' FNL & 1,839' FWL	43-047-35928	Chapita Wells	Gas
Bonanza 4-36	NWNW	36	98	24E	ML-46527	258' FNL & 862' FWL	43-047-35861	Natural Buttes	Gas
Bonanza 4-29	NWNW	29	98	25E	ML-45559	600' FNL & 596' FWL	43-047-36010	Chapita Wells	Gas
Bonanza 4-20	NWNW	20	98	25E	ML-45558	933' FNL & 583 FWL	43-047-35924	Chapita Wells	Gas
Bonanza 14-20	SESW	20	98	25E	ML-45558	838' FSL & 1,922' FWL	43-047-35930	Chapita Wells	Gas
Asphalt Wash 8-16-11-24	SENE	16	115	24E	ML-47080	1905 FNL & 642 FEL	43-047-36875	Undesignated	Gas
Asphalt Wash 7-16-11-24	SWNE	16	118	24E	ML-47080	1781 FNL & 1676 FEL	43-047-36874	Undesignated	Gas
Asphalt Wash 5-16-11-24	SWNW	16	118	24E	ML-47080	1880 FNL & 630 FWL	43-047-37089	Undesignated	Gas
Asphalt Wash 4-16-11-24	NWNW	16	115	24E	ML-47080	521 FNL & 766 FWL	43-047-36885	Undesignated	Gas
Asphalt Wash 3-16-11-24	NENW	16	118	24E	ML-47080	825 FNL & 2116 FWL	43-047-36886	Undesignated Undesignated	Gas Gas
Asphalt Wash 14-16-11-24	SESW	16	115	24E	ML-47080	537 FSL & 2140 FWL	43-047-36876	Undesignated	Gas
Asphalt Wash 12-16-11-24	NWSW	16	115	24E	ML-47080	2060 FSL & 839 FWL	43-047-36873	Undesignated	Gas
Asphalt Wash 11-16-11-24	NESW	16	115	24E	ML-73921	2000 FSL & 1900 FWL	43-047-37088	FIELD	Туре
TYCH HANNE	l Q/Q	Sec	lτ	R	Lease Number	Footages f/ Sec Lines - SL	API Number	rie e	Well
Well Name									

NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

Well Name	Q/Q	Sec	Т	R	Lease Number	Footages f/ Sec Lines - SL	API Number	FIELD	Well Type
Southman Canyon 1-36-9-23	NENE	36	98	23E	ML-47782	681 FNL & 496 FEL	43-047-36537	Natural Buttes	Gas
Southman Canyon 15-36-9-23	SWSE	36	98	23E	ML-47782	529 FSL & 1784 FEL	43-047-36529	Natural Buttes	Gas
Southman Canyon 3-36-9-23	NENW	36	98	23E	ML-47782	464 FNL & 1815 FWL	43-047-36530	Natural Buttes	Gas
Southman Canyon 5-36-9-23	SWNW	36	98	23E	ML-47782	2028 FNL & 499 FWL	43-047-36531	Natural Buttes	Gas
Southman Canyon 7-36-9-23	SENE	36	98	23E	ML-47782	2184 FNL & 1994 FEL	43-047-36536	Natural Buttes	Gas
Southman Canyon 9-36-9-23	NESE	36	98	23E	ML-47782	1978 FNL & 657 FEL	43-047-36533	Natural Buttes	Gas



NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

Moll Name	0/0		_	_	Lease	Footages f/ Sec Lines -	
Well Name	Q/Q	Sec	Т	R	Number	SL	API Number
Asphalt Wash 13-6	SW/SW	6	116	24E	UTU-73919	400' FSL & 550' FWL	
Asphalt Wash 10-9-11-24	NW SE	9	118	24E	UTU-73920	1846 FSL & 1942 FEL	43-047-37071
Asphalt Wash 11-9-11-24	NE SW	9	115	24E	UTU-73920	1799 FSL & 1782 FWL	43-047-37073
Asphalt Wash 12-6-11-24	NW SW	6	118	24E	UTU-73919	1844 FSL & 683 FWL	43-047-37066
Asphalt Wash 14-6-11-24	SE SW	6	118	24E	UTU-73919	704 FSL & 2123 FWL	43-047-37067
Asphalt Wash 14-9-11-24	SE SW	9	118	24E	UTU-73920	460 FSL & 2115 FWL	43-047-37076
Asphalt Wash 15-9-11-24	SW SE	9	118	24E	UTU-73920	804 FSL & 1990 FEL	43-047-37074
Asphalt Wash 16-9-11-24	SE SE	9	115	24E	UTU-73920	826 FSL & 472 FEL	43-047-37075
Asphalt Wash 2-6-11-24	NW NE	6	118	24E	UTU-73919	735 FNL & 1590 FEL	43-047-37061
Asphalt Wash 2-7-11-24	NW NE	7	118	24E	UTU-73919	621 FNL & 2462 FEL	43-047-37068
Asphalt Wash 2-9-11-24	NW NE	9	118	24E	UTU-73920	829 FNL & 1774 FEL	43-047-37070
Asphalt Wash 3-6-11-24	NE NW	6	118	24E	UTU-73919	792 FNL & 1925 FWL	43-047-37062
Asphalt Wash 4-6-11-24	NW NW	6	118	24E	UTU-73919	820 FNL & 1007 FWL	43-047-37063
Asphalt Wash 5-6-11-24	SW NW	6	118	24E	UTU-73919	1738 FNL & 716 FWL	43-047-37064
Asphalt Wash 6-7-11-24	SE NW	7	118	24E	UTU-73919	2013 FNL & 2241 FWL	43-047-37069
Asphalt Wash 7-6-11-24	SW NE	6	118	24E	UTU-73919	1616 FNL & 1615 FEL	43-047-37065
Asphalt Wash 7-9-11-24	SE NE	9	118	24E	UTU-73920	1883 FNL & 1854 FEL	43-047-37072
Asphait Wash 1-7-11-24	NE NE	7	118	24E	UTU-73919	426 FNL & 270 FEL	43-047-37084
Asphalt Wash 4-7-11-24	NW NW	7	118	24E	UTU-73919	856 FNL & 860 FWL	43-047-37085
Asphalt Wash 7-7-11-24	SW NE	7	118	24E	UTU-73919	1909 FNL & 1893 FEL	43-047-37087
Asphalt Wash 8-7-11-24	SE NE	7		24E	UTU-73919	1998 FNL & 683 FEL	43-047-37086
Bonanza 4-7	NW/NW	7	98	24E	UTU-73457	809' FNL & 670' FWL	43-047-36017
Bonanza 8-17	SW/NE	17	98	24E	UTU-73457	1865' FNL & 584' FEL	43-047-36041
Bonanza 11-11-9-23	NE SW	11	98	23E	UTU-74426	2036 FSL & 2043 FWL	43-047-36649
Bonanza 11-12-9-23	NE SW	12	98	23E	UTU-74426	1799 FSL & 1948 FWL	43-047-36655
Bonanza 11-18-9-24	NE SW	18	98	24E	UTU-73457	1785 FSL & 2133 FWL	43-047-36637
Bonanza 12-23-9-24	NW/SW	23	98	24E	UTU-81311	1882 FSL & 699 FWL	43-047-36640
Bonanza 12-35	NW/SW	35	98	24E	UTU 73459	1374' FSL & 858' FWL	43-047-36020
Bonanza 13-11-9-23	SWSW	11	98	23E	UTU-74426	463 FSL & 773 FWL	43-047-36650
Bonanza 13-12-9-23	SW SW	12	98	23E	UTU-74426	661 FSL & 656 FWL	43-047-36528
Bonanza 13-18-9-24	SWSW	18	98	24E	UTU-73457	767 FSL & 583 FWL	43-047-36638
Bonanza 14-11-9-23	SE SW	11	98	23E	UTU-74426	756 FSL & 1859 FWL	43-047-36651
Bonanza 14-23-9-24	SE/SW	23	98	24E	UTU-81311	560 FSL & 1878 FWL	43-047-36641
Bonanza 15-11-9-23	SW SE	11	98	23E	UTU-74426	660 FSL & 1980 FEL	43-047-36652
Bonanza 15-12-9-23	SW SE	12	98	23E	UTU-74426	607 FSL & 1920 FEL	43-047-36656
Bonanza 15-18-9-24	SW SE	18	98	24E'	UTU-73457	463 FSL & 2162 FEL	43-047-36639
Bonanza 16-12-9-23	SE SE	12	98	23E	UTU-74426	855 FSL & 536 FEL	43-047-36657
Bonanza 16-8	SE/SE	8	98	24E	UTU-73457	588' FSL & 524' FEL	43-047-36101
Bonanza 2-11-9-23	NW NE	11	98	23E	UTU 74426	664 FNL & 1925 FEL	43-047-36643
Bonanza 2-12-9-23	NW NE	12	98	23E	UTU-74426	743 FNL & 1962 FEL	43-047-36527
Bonanza 3-11-9-23	NE NW	11	98	23E	UTU 74426	499 FNL & 1898 FWL	43-047-36644
Bonanza 3-12-9-23	NE NW	12	98	23E	UTU-74426	734 FNL & 1866 FWL	43-047-36524
Bonanza 4-35	NW/NW	35	98	24E	UTU 73459	789' FNL & 807' FWL	43-047-35925
3onanza 5-11-9-23	SW NW	11	98	23E	UTU 74426	1794 FNL & 609 FWL	43-047-36645

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NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

					Lease	Footages f/ Sec Lines -	
 Well Name	Q/Q	Sec	Т	R	Number	SL	API Number
Bonanza 5-12-9-23	SW NW	12	98	23E	UTU-74426	1996 FNL & 558 FWL	43-047-36526
Bonanza 5-18-9-24	SW NW	18	98	24E	UTU-73457	2147 FNL & 662 FWL	43-047-36635
Bonanza 5-22	SW/NW	22	8S	25E	UTU-73470	1,932' FNL & 415' FWL	43-047-35918
Bonanza 5-24-9-24	SW/NW	24	9S	24E	UTU-73470	2167 FNL & 714 FWL	43-047-36642
Bonanza 6-11-9-23	SE NW	11	98	23E	UTU-74426	2069 FNL & 1801 FWL	43-047-36646
Bonanza 6-12-9-23		12	98	23E	UTU-74426	2114 FNL & 1871 FWL	
	SE NW					<u></u>	43-047-36525
Bonanza 7-11-9-23	SW NE	11	98	23E	UTU-74426	2060 FNL & 2134 FEL	43-047-36647
Bonanza 7-12-9-23	SW NE	12	98	23E	UTU-74426	2065 FNL & 2159 FEL	43-047-36653
Bonanza 8-35	SENE	35	98	24E	UTU-73459	1987' FNL & 909' FEL	43-047-36105
Bonanza 9-11-9-23	NE SE	11	98_	23E	UTU-74426	2008 FSL & 553 FEL	43-047-36648
Bonanza 9-12-9-23	NE SE	12	98	23E	UTU-74426	1980 FSL & 660 FEL	43-047-36654
Bonanza 9-18-9-24	NE SE	18	98	24E	UTU-73457	2009 FSL & 852 FEL	43-047-36636
Bonanza 9-22	NE/SE	22	98_	24E	UTU-75118	1,969' FSL & 495' FEL	43-047-36102
East Bench 9-20	NE/SE	20	115	22E	UTU-73905	2,170' FSL & 472' FEL	43-047-36275
Rock House 12-30-10-23	NE SW	30	105	23E	UTU-76281	2320 FSL & 1980 FWL	43-047-36548
Rock House 12-31-10-23	NW SW	31	105	23E	UTU-76281	1900 FSL & 460 FWL	43-047-36552
Rock House 13-30-10-23	SW SW	30	105	23E	UTU-76281	553 FSL & 573 FWL	43-047-36549
Rock House 14-31-10-23	SE SW	31	105	23E	UTU-76281	860 FSL & 1890 FWL	43-047-36553
Rock House 3-31-10-23	NE NW	31	108	23E	UTU-76281	854 FNL & 1940 FWL	43-047-36551
Rock House 5-30-10-23	SW NW	30	105	23E	UTU-76281	1858 FNL & 703 FWL	43-047-36547
Rock House 5-31-10-23	SW NW	31	105	23E	UTU-76281	2055 FNL & 2097 FWL	43-047-36550
Rock House 6-31-10-23	SE NW	31	105	23E	UTU-76281	2059 FNL & 2111 FWL	43-047-36554
Reckhouse #12-30	NW/SW	30	105	23E	UTU-80571	1,980' F3L & 660' FWL	43-047-36018 🗸
Rockhouse 13C-31	SW/SW	31	105	23E	UTU-76281	135' FSL & 365' FWL	43-047-35911
Rockhouse 4D-30	NW NW	30	105	23E	UTU-76281	1,116 FNL & 1,135' FWL	43-047-35882
Rockhouse 4D-31	NW NW	31	105	23E	UTU-76281	990' FNL & 990' FWL	43-047-35807
Southman Canyon 12-3-11-24	NW/SW	3	115	24E	UTU-73918	1,950' FSL & 514' FWL	43-047-36272
Southman Canyon 12-30-10-24	NW/SW	30	108	24E	UTU-65371	2,118' FSL & 502' FWL	43-047-36238
Southman Canyon 13-30	SW/SW	30	98	24E	UTU-80571	765' FSL & 303' FWL	43-047-36018
Southman Canyon 16-31-10-24	SE/SE	31	108	24E	UTU-65371	621' FSL & 575' FEL	43-047-36270
Southman Canyon 4-30-10-24	NW/NW	30	105	24E	UTU 65371	649' FNL & 607' FWL	43-047-36237
Southman Canyon 5-19-10-24	SW/NW	19	105	24E	UTU-65371	1,978' FNL & 855' FWL	43-047-36236
Southman Canyon 6-30	SE/NW	30	98	24E		2,015' FNL & 2,581' FWL	43-047-36103

x Duplicate API -Different well name

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STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

L	ML-47082			
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new drill horizontal late	7. UNIT or CA AGREEMENT NAME: 8. WELL NAME and NUMBER:			
	GAS WELL 🗸 OTHER		Little Pack Mountain 1-16	
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304736981			
	Denver STATE CO ZIP 80	0202 PHONE NUMBER: (303) 573-1222	10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 609' FN		- 0	соинту: Uintah	
QTR/QTR, SECTION, TOWNSHIP, RANG			STATE: UTAH	
	OPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPO	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	ACIDIZE ALTER CASING CASING REPAIR	FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORABLY AS AN ADDA	
—————	CHANGE TO PREVIOUS PLANS	NEW CONSTRUCTION OPERATOR CHANGE	TEMPORARILY ABANDON TUBING REPAIR	
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF ✓ OTHER: Change well name and number	
CHANGE WELL NAME AN FROM: Little Pack Mounta TO: Little Pack Mounta	nin 1-16	tinent details including dates, depths, volum	i de Tagan Tagan	
NAME (PLEASE PRINT) Alvin R. (Al) Arlian	_{тпье} Landman - Regu	lartory Specialist	
SIGNATURE	(600)	DATE 11/10/2005		

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NOV 1 4 2005

APPROVAL FAX GINGER TO AT (435)789-0255

STATE OF UTAH	FORM 9					
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47082					
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to	7. UNIT OF CA AGREEMENT NAME:					
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	8. WELL NAME and NUMBER:					
OIL WELL GAS WELL OTHER	Little Pack 12-20-41-16					
2. NAME OF OPERATOR:	9. API NUMBER: 4304736981					
Enduring Resources, LLC 3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:					
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 350-5719	Undesignated					
4. LOCATION OF WELL						
FOOTAGES AT SURFACE: 609' FNL - 688' FEL	COUNTY: Uintah					
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 12S 20E S	STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA					
TYPE OF SUBMISSION TYPE OF ACTION						
ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION					
NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL					
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON					
10/3/2006 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR					
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE					
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL					
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF					
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ other: Request for APD					
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	Extension					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volun	nes, etc.					
Enduring Resources, LLC respectfully request an extension to the expiration date of thi	s Application for Permit to Drill					
FROM: 9/22/2006 TO: 9/22/2007 Approved by the Utah Division of Oil, Gas and Mining						
By: 10-10-00 COPY SENT TO OFFICE TO THE DOLL OF THE PARTY						

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Regulatory Compliance Assistant

10/3/2006

Application for Permit to Drill Request for Permit Extension

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304736981 Well Name: Little Pack 12-20-41-16 Location: 609' FNL - 688' FEL, NENE, Sec 16, T12S-R20E Company Permit Issued to: Enduring Resources, LLC Date Original Permit Issued: 9/22/2005	
The undersigned as owner with legal rights to drill on the property as pabove, hereby verifies that the information as submitted in the previous approved application to drill, remains valid and does not require revision	sly
Following is a checklist of some items related to the application, which verified.	should be
If located on private land, has the ownership changed, if so, has the su agreement been updated? Yes □ No □	rface
Have any wells been drilled in the vicinity of the proposed well which we the spacing or siting requirements for this location? Yes□No☑	ould affect
Has there been any unit or other agreements put in place that could af permitting or operation of this proposed well? Yes□No☑	fect the
Have there been any changes to the access route including ownership of-way, which could affect the proposed location? Yes□No ☑	, or right-
Has the approved source of water for drilling changed? Yes□No☑	
Have there been any physical changes to the surface location or accesswhich will require a change in plans from what was discussed at the or evaluation? Yes□No☑	ss route nsite
Is bonding still in place, which covers this proposed well? Yes ☑No□	
Signature 10/3/2006 Date	
Title: Regulatory Compliance Assistant	
Representing: Enduring Resources, LLC	RECEIVED
	OCT 0 6 2006

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING ML-47082 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: **SUNDRY NOTICES AND REPORTS ON WELLS** 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. n/a 8. WELL NAME and NUMBER: 1. TYPE OF WELL GAS WELL 🗾 OIL WELL OTHER Little Pack 12-20-41-16 9. API NUMBER: 2. NAME OF OPERATOR: 4304736981 Enduring Resources, LLC PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR: STATE CO THE 80202 (303) 350-5719 Undesignated 475 17th Street, Suite 1500 Denver 4. LOCATION OF WELL COUNTY: Uintah FOOTAGES AT SURFACE: 609' FNL - 688' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE **12S** 20E S STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF ACTION TYPE OF SUBMISSION DEEPEN REPERFORATE CURRENT FORMATION **ACIDIZE** NOTICE OF INTENT SIDETRACK TO REPAIR WELL FRACTURE TREAT (Submit in Duplicate) ALTER CASING Approximate date work will start: CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON OPERATOR CHANGE TUBING REPAIR CHANGE TO PREVIOUS PLANS VENT OR FLARE PLUG AND ABANDON CHANGE TUBING WATER DISPOSAL SUBSEQUENT REPORT PLUG BACK CHANGE WELL NAME (Submit Original Form Only) WATER SHUT-OFF PRODUCTION (START/RESUME) CHANGE WELL STATUS Date of work completion: OTHER: Request for APD RECLAMATION OF WELL SITE COMMINGLE PRODUCING FORMATIONS Extension **RECOMPLETE - DIFFERENT FORMATION** CONVERT WELL TYPE

DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM:

10/10/2007

TO:

10/10/2008

Approved by the Utah Division of Oil. Gas and Mining

NAME (PLEASE PRINT) Alvin R. (AI) Arlian Landman - Regulatory Specialist 10/3/2007 SIGNATURE

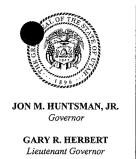
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Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 4304736981 Well Name: Little Pack 12-20-41-16 Location: 609' FNL - 688' FEL, NENE, Sec 16, T12S-R20E Company Permit Issued to: Houston Exploration Date Original Permit Issued: 9/22/2005	
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.	
Following is a checklist of some items related to the application, which should be verified.	2
f located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□	
Have any wells been drilled in the vicinity of the proposed well which would affect he spacing or siting requirements for this location? Yes□No☑	ct
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑	
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☑	
las the approved source of water for drilling changed? Yes□No☑	
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑	
s bonding still in place, which covers this proposed well? Yes⊠No□	
10/3/2007	
Signature Date	
Title: Landman - Regulatory Specialist	
Representing: Enduring Resources, LLC	
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OCT 0 9 2007



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

October 23, 2008

Al Arlian Enduring Resources, LLC 475 17TH Street, Suite 1500 Denver, CO 80202

43 047 36981 Little Pack Mtn 12-20-41-16 125 20E 16

Re: <u>Rescind APDs</u>

Dear Mr. Arlian:

Enclosed find the list of APDs that are being rescinded due to no drilling activity for more than the two year time frame. Therefore, approval to drill these wells is hereby rescinded, effective October 23, 2008.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Liana Mason

Environmental Scientist

rank 4) Usar

cc: Well File

SITLA, Ed Bonner



Buck Canyon 12-21-23-16

Buck Canyon 12-21-14-16

Buck Canyon 12-21-34-16

Asphalt Wash 11-24-34-16

Asphalt Wash 11-24-21-16

Asphalt Wash 11-24-13-16

Asphalt Wash 11-24-32-16

Asphalt Wash 11-24-24-16

Asphalt Wash 11-24-11-16

Archy Bench 12-23-31-16

Bonanza 9-25-12-30

Bonanza 9-25-22-30

Bonanza 9-25-23-30

Bonanza 9-25-14-20

Southam Canyon 9-24-44-36 (FEE)

Rainbow 12-24-41-16

Rainbow 12-24-12-16

Little Pack 12-20-41-16

Little Pack 12-20-32-32